

SENATE.....

.....No. 1.

TWENTY-FIRST

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

STATE LUNATIC HOSPITAL,

AT WORCESTER.

DECEMBER, 1853.

BOSTON:

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TWENTY-FIRST ANNUAL REPORT

OF THE

TRUSTEES OF THE STATE LUNATIC HOSPITAL,

AT WORCESTER,

1853.

To His Excellency the Governor and Honorable Council:—

The Trustees of the Massachusetts State Lunatic Hospital, at Worcester, have the honor, pursuant to the requirements of law, to present their Annual Report "of the Condition of the Hospital, and its Concerns."

In reviewing the history of this institution for the past year, the Trustees find abundant cause to acknowledge with gratitude the protecting care of an overruling Providence, and feel to congratulate the people of the State, on the hitherto successful working of this great charity, when the imperfection of its means is considered.

The operations of the Hospital have been more extensive during the past, than in any preceding year. The number of patients within its walls, Dec. 1st, 1852, was 532, and there were received, 288, making 820, who were the recipients of its care and treatment within the year, and 4,458 since its first foundation.

The number of admissions have been 21 less than in the preceding year, while the whole number has been 45, and the average 22 more.

The admissions have been only from two sources, commitments by the Courts, and commitments by Overseers of the Poor. Its doors have been closed to private applications, and many who have sought an entrance here, have been turned over to neighboring institutions.

This course was dictated by the crowded condition of the Hospital, there having been in it an average of 147 more than it was designed to accommodate.

There were discharged during the year, 300; of whom, 145 are reported recovered, 36 improved, 41 incurable and harmless, 37 incurable and dangerous, and 41 to have died.

Most of the incurable and harmless were sent to their friends, and to towns to which they were chargeable; and the incurable and dangerous being such as the law authorized to be sent to Houses of Correction, were removed thither in accordance with the provision of the statute for relieving the crowded condition of the Hospital.

In the middle of summer, the unprecedented number of 567 patients had become residents within its walls. Indications of diseases incident to the season began to show themselves, and created a just apprehension, that a fatal epidemic was impending over this crowded, but ill-ventilated establishment.

In this emergency, the Trustees, in the early part of August, decided upon relieving its crowded condition, by sending off one hundred of its inmates, and an order was passed for the purpose. But so soon as it began to be executed, remonstrances and entreaties came back so earnest from the officers of the establishments to which they were sent, that the order was only partially carried into effect. It was stated by them, that their respective establishments were already more than full, and that those sent to them would be placed in a far worse condition than they would be in, were they to remain in the Hospital; in fact, that they could not be received.

The fears of an epidemic having subsided with the disappearance of the indications which gave rise to them, and the general health of the patients being as good as ordinary, in the latter part of August, when the order had been only partially executed, its further enforcement was suspended.

A very large and still increasing proportion of the admissions

is of foreigners. This subject has been repeatedly alluded to in former Reports, and needs not to be enlarged upon at this time. The facts and suggestions in relation to this matter, contained in the Report of the Superintendent, are commended to the consideration of the government. Unless something is done to avert it, the benefits of this institution will soon be denied to our native population, except to such as may be paupers or criminals. It is fast filling up with a class of incurable foreign paupers, which circumstance is already seriously impairing its usefulness as a curative institution. It is also manifest, that further provision must be made for the custody and management of the insane. According to the last census, the hospital provision for the insane, in the whole country, is equal to only about twenty-five per cent. of the whole number. In Massachusetts, the provision is in a much greater ratio to the whole number, but yet far short of what it should be.

In New York and Pennsylvania, the residence of the paupers sent by the counties into their State Hospitals, is limited by law to six months, unless, in the opinion of the superintendents, a longer residence shall be deemed of importance to their recovery. At the expiration of the period allowed, they are sent back to the county poor-houses. This renders these Hospitals essentially curative institutions, by preventing them from becoming filled with incurable paupers.

In this State, if only those who have been sent from this Hospital for the want of room, in the last two years, together with those who ought now to be sent from it, in order to reduce the number of its inmates to 400,—the maximum that ought to be retained,—were to be sent to Taunton on the opening of that Hospital, they would fill it to its utmost capacity. But it is known that these constitute but a part of those, who are waiting for the opening of that institution to become its inmates.

It is suggested in the Superintendent's Report, that some of the incurable and harmless State paupers may be sent to the State Almshouses. The suggestion is deserving of a favorable consideration. It may also be thought expedient to construct apartments in connection with those establishments, for the same class of incurable and dangerous patients, and particularly for epileptics, who only require safe custody. In this

way, they might be taken care of at a less expense to the Commonwealth, and at the same time, be the recipients of all the care and attention demanded by the most enlightened philanthropy.

The Hospital at Worcester, needs some extensive repairs and improvements to enable it to sustain its former high reputation, and make it conform to the present advanced state of science, as applied to such institutions. At the time this Hospital was built, the whole subject of the moral, and we may say, the physical treatment of the insane, was comparatively in its infancy.

It is only a little more than half a century ago, (in 1792,) that M. Pinel, of France, first made known the true theory of the moral treatment of the insane. Prior to his time, Hospitals or Asylums existed, in which the insane were lodged, not so much generally, for the purposes of treatment and cure, as to relieve the public and their friends, from the annoyance and danger of their presence.

These asylums were sometimes monasteries, sometimes prisons, and generally built on the model of prisons, in which the patients were either locked up in cells or dungeons, or chained by the neck and limbs to massive stone walls. The treatment generally consisted of exorcisms, whippings, and the broth of serpents at the full of the moon. No classifications were attempted; but the violent and the timid were huddled together in the same room. Yet, in spite of all this error and absurdity, some recovered; for insanity is sometimes paroxysmal and self-limited.

But a brighter day was to dawn on those bereft of their reason. Pinel arose and asserted, that the insane were controllable by moral influences; that they might be won by kindness, and restored to reason by gentleness.

The advance of his doctrines was slow at first, and they are not quite universal at present; but they early found advocates in various countries.

In England, among the earliest to embrace them and endeavor to reduce them to practice were, Dr. Tuke, Superintendent of the York Retreat, an asylum belonging to the Society of Friends, and Dr. Charlesworth, visiting physician to the Hospital at Lincoln. Dr. Tuke, being the superintend-

ent, and possessing the whole control, found but little difficulty in testing them in practice at the York Retreat. Dr. Charlesworth was only the visiting physician at Lincoln, and every step he took in reform, had to receive the sanction of a Board of Governors, before it could be taken. This rendered the task far more difficult, and the progress less rapid.

Up to 1819, it appears to have been the practice in the latter institution, for the attendants, or keepers as they were called, to chain up, or fetter the patients at their discretion. This year an order was passed by the Board of Governors, "commanding that the attendants and servants never presume to use any degree of restraint or violence, without the consent of the directors."

From this period up to 1835, there was a constant succession of orders, improvements in the means of restraint, and alterations in the construction and arrangements of the establishment for the purpose of accomplishing an object which is thus expressed in the Report of the Board for 1833: "It is unceasingly an object in this institution to dispense with, or improve as much as possible the instruments of restraint."

In 1832, Dr. Charlesworth was enabled to report that "the register of restraint shows a continual diminution in their number." "On the 10th of August, 1834, the House Visitor reported that not a single male patient had been under restraint since the 16th of July, and not one female patient since the 1st of August, and then only for a few hours; and in 1835, the Board took the opportunity of specially recording their sense of the merit of Mr. Hadwen, the House Surgeon, by expressing their high approbation of the very small proportion of instances of restraint which had occurred under his care."

This brief history of the progress of change in an institution, which may justly be regarded as a bold pioneer in the cause of reform, and in introducing a more humane treatment of the insane, is related, to indicate by their contrast with those attempted to be enforced at Lincoln, what were the prevailing sentiments on this subject at the time the Worcester Hospital was established.

Since that period, the Lincoln Asylum has gone on with its changes till it has discarded all mechanical means of restraint, and adopted a general mode of treatment quite novel and

peculiar. In the meantime, many of its reforms have been copied, and have received the sanction of experience. The means of restraint, generally, have been greatly improved, and the practice relaxed, or discarded. The brick and mortar cells with iron doors, or dungeons, as they may with propriety be called, for locking up the violent, noisy, or indecent, are nowhere to be found in any recent structure, except at Taunton. There is not such a cell to be found in either of the public establishments of the great States of New York, or Pennsylvania, nor in the New Jersey State Lunatic Hospital, the design of which is quite generally regarded as a model.

With the view of examining into this subject, and the general management of Lunatic Hospitals, together with the best modes of warming and ventilating them,—a subject but very little understood at the time the one at Worcester was built, and quite imperfectly, we fear, comprehended at present,—it was deemed expedient that so many of the Trustees, with the Superintendent, as should find it convenient, should make a tour of observation of the institutions of other States.

When the time fixed upon for starting arrived, Dr. Chandler was detained by a summons to court as a witness in a capital trial, Dr. Howe was detained by sickness, and Mr. Newton declined going. These facts were learned after the other members of the Board had arrived in New York. After examining the institutions in the city and its vicinity, Mr. Ripley returned to Massachusetts, the other members of the Board continuing on through New Jersey, Pennsylvania and Western New York.

Our thanks are due to the officials of the twenty-six institutions visited by us, for the perfect cordiality with which we were everywhere received. Of these institutions, ten of them were Lunatic Hospitals. In each and all of them, every facility was extended for the most full and thorough observation. The Superintendents of the Lunatic Hospitals laid us under particular obligations, for their generous courtesy, and the very frank and unreserved manner in which they exhibited their respective establishments, together with their methods of management and modes of treatment; pointing out improvements and criticizing defects. But one spirit was manifested by them, that of doing what they could to impart information

that might be useful in constructing, improving and managing a class of institutions, which, while they are monuments of the benevolence of those who erect them, are the last hope on earth of a most unfortunate class of our fellow men.

During this tour no cell was found without a wooden floor, a wooden door, and plastered or sealed walls. And the use of such as were called strong rooms, was exceedingly limited.

In the large establishment on Blackwell's Island, containing at the time of our visit 574 patients, but two were found locked up, and those only temporarily, for a part of the day. The Superintendent, Dr. Ranny, stated that half a dozen strong rooms would be sufficient for that establishment, as not more than five or six a day were ever locked up, and those only for a few hours at a time. These rooms were furnished with iron bedsteads or frames, with sacking bottoms, and beds. They were used as sleeping apartments, and did not differ materially in size, form or appearance, from the other rooms, occupied by patients, except the doors, which were stronger.

These remarks in relation to the strong rooms on Blackwell's Island, are applicable to those in all the other establishments visited by us. In nine hospitals out of New England, containing about 2,250 patients, the number found under restraint by being locked up, was only six. In one instance only had that restraint been continued more than two days, and that one had not exceeded a week.

In the State Hospital, at Utica, but one person was found under restraint, and that one was confined in what they called a chicken-coop bedstead. There, they were in the process of demolishing their strong rooms, and removing them out of the establishment as useless. Their hospital was built some ten years after ours, and their strong rooms were comfortable apartments compared with ours, having wooden floors and plank doors, and were furnished each with a bedstead and bed.

Such are the facts as they exist in the institutions of neighboring States.

If we extend our examination to the best managed institutions of Europe, we shall find that a similar state of things prevails there.

In a private Asylum at Clermont, in France, subject to governmental supervision, in which there were 1,147 patients in

1851, the same practice obtains. Its Annual Report for that year, says: "No patient is ever shut up in his cell during the day; the strait jacket is never used, except as a means of repression, or when the patient attempts to injure himself, or others, or to destroy his clothes. It is never kept on long."

In some of the English hospitals, built pursuant to the law of 1845, requiring the counties to make provisions for their insane poor in hospitals, "padded rooms are fitted up in wards, for excited patients." But they are used only for temporary confinement.

In our Hospital at Worcester, there are forty-eight strong rooms or cells. Nearly all of them are constructed of solid masonry, with iron doors. A portion of them in the basement of the old part, have been condemned by nearly every Board of Trustees for the last ten years, as unfit for human occupancy. But the continually crowded condition of the Hospital has rendered it necessary that every part should be occupied. It was not till the class of incurable and dangerous had been reduced by the partial execution of the order of the 5th of August, that the cells in the basement of the old part, appropriated to the females, could be left unoccupied. In September they were vacated, we trust never to be occupied again by human beings. Another portion of the cells, occupied by male patients, and opening into the yard, are equally objectionable, and ought to be abandoned. They are totally unfit for human habitations. How is it possible that the furious, the violent, and the indecent, should ever be restored, while occupying apartments unfit for the abode of dumb beasts? And yet, these cells have been pretty constantly occupied, and in some instances, by the same tenants, for very long periods.

These cells were pointed out as defects, during the superintendency of Dr. Woodward. The Trustees of 1846, speaking of those "who cannot be restrained from keeping themselves in the most indecent and disgusting condition," say, "they are obliged to occupy apartments *where the Trustees never visit them without feeling most sensibly, that they have not been properly cared for.*" In their recommendation of strong rooms to be built, for substitutes for those described, they say, speaking of a separate building which they recommend for the purpose, that "it ought to be constructed in such a manner that it may be amply ven-

tilated, and lighted, and warmed. And still further, so arranged that the patients, instead of being constantly immured in the closest confinement, may be enabled, as far as it can be permitted with safety, to go out occasionally, into adjoining yards, to see and feel the unobstructed sunshine, to breathe the purest atmosphere, and to participate in the benefits and pleasures which *even such as they* may derive from the care of the Divine Providence."

The new cells were built, but not in a separate building, and the yards were never constructed. The want of these is a great defect; and one, which, if properly supplied, would supersede the use of the strong rooms to a very great extent. But to render the Hospital what it should be, and enable it to retain the high reputation which it formerly possessed, and sustain that renown which the State acquired, by being the first to engage in so humane an enterprise, it is necessary that several other important repairs and improvements should be made.

The question has been raised and considered, whether it would be better to endeavor to get along for a few years, without attempting any considerable improvements, and then build in another location, and sell out the present one; or to effect the necessary improvements in the present institution, to bring it up to the requirements of the age, and the present state of science as applicable to such hospitals.

The location is such as no one would select for such an object at the present time. The land connected with it, is altogether too limited, and is badly situated; not permitting to the patients that freedom and exercise in the open air, which is desirable in such an institution. The hospital buildings are almost surrounded by city residences, and are not suitable for the uses to which they are put. They are low studded, the stories being only eight and a half, and nine feet high in the clear. They are warmed by furnaces in their basements, which are very dangerous, and now nearly worn out. They have already been on fire, at least, once from them.

Their ventilation is so imperfect as not to deserve the name. The ventiducts are each but four inches square, opening into attics from which the foul air has no means of escape. It often ascends through one ventiduct, but to return through another. But for the natural ventilation through windows and

doors, the contaminated air would often be intolerable. Its evil effects are plainly visible in the appearance of the patients. The frequent occurrence of erysipelas in the Hospital, is but one of its indices. The tables of mortality show that erysipelas stands at the head of acute diseases in fatality here; while year before last, nineteen cases are reported to have occurred from December to June, without fatality, which may give some idea of the frequency of the disease.

There is an entire want of suitable yards connected with the buildings.

There are five separate kitchens, with all the utensils to render them severally complete.

The land is of great value, being estimated by competent judges to be worth rising two hundred thousand dollars, independent of the buildings, which would purchase land and put up another establishment in another place. These are the considerations that favor the first alternative of the proposition.

On the other hand, the improvements required are a thorough change in the mode of warming and ventilating the Hospital, connected with which, would be the reduction of the five kitchens into one, the removal of the piggeries, barn, and other nuisances from the hospital lot, and the construction of yards, properly inclosed, for the unrestricted exercise of the patients; and the construction of sewers for carrying off the wash and waste water of the establishment. The land is increasing in value, and the buildings are in a condition not to require a heavy outlay for repairs for a number of years. The pipe, or tubing used for warming, should steam or hot water be the agent employed, would not very greatly deteriorate, and could be transferred to any new establishment that might be built to take the place of the present one, at some future day. The ventilation can be improved, by the introduction of wooden ventiducts, at a moderate cost. Several establishments have had their ventilation improved in this way. Among them are the State Lunatic Hospital, at Harrisburg, one of the wings of the McLean Asylum, at Somerville, and the New Bedford Almshouse. In two of these instances, steam is the agent used for warming, and it also furnishes a motive power to effect the ventilation. This is essential; for

no passive ventilation can be relied on. It must be forced to be efficient.

Large sums have been expended within a few years, for improvements and repairs. The amount paid out last year, under this head, was six thousand and ten dollars and forty-seven cents, mostly for fences, a large part of which were of iron. Other improvements must be made, if the present Hospital is to be occupied only for a few years, or till another can be built. The present furnaces are worn out, and must be replaced, in part at least; and sewers must be constructed to carry off the waste water, which now ponds in the garden, and is complained of by the neighbors as a nuisance.

The present time is favorable to this course of action. There is a balance in the treasury of \$23,162 98, which will go far towards accomplishing all that is here recommended; and whatever more should be wanted, might be raised on the credit of the Hospital, and paid from its future receipts, as there is now due from the State, towns, cities and individuals, about forty thousand dollars, in addition to the balance on hand.

The second Hospital, at Taunton, will be opened in the spring, to receive a portion of its patients, so as to enable the work to be done without great inconvenience.

Steam is the agent recommended for warming, on account of the greater facility with which it can be used, and the more extensive uses to which it can be applied, as compared with warm water, and its greater safety from fire, and the more genial warmth it imparts, as compared with hot air furnaces. The frequency of fires from the latter, in all the large cities and towns, shows them to be dangerous, and that they ought never to be used in an establishment of the kind, where so many persons are locked into their rooms every night; and in case of fire, as at Augusta, Maine, many of them must inevitably perish. Fears have been entertained by the Board, for the safety of this institution, ever since that sad occurrence. This consideration, of greater safety from fire, ought alone to be sufficient to induce a change. It was the leading motive for the change at Utica, the hospital there having been on fire several times from its furnaces.

Steam is more generally used for warming large establishments than water. In addition to hospitals, almshouses and prisons, it is quite extensively used in manufacturing establishments. The first cost of an apparatus for using water is something less than for using steam, but it is believed that the latter possesses advantages over the former, more than sufficient to counterbalance the difference in the cost.

Of the twenty-six public institutions visited by us, but one, the Eastern Penitentiary, in Philadelphia, was warmed with hot water. There the water was circulated in small tubes, on Perkins's plan. It was not giving satisfaction. One wing of the State Prison at Trenton, New Jersey, had formerly been warmed in the same manner, but proving a failure, steam has been substituted with entire success.

In Massachusetts, the General Hospital in Boston, and a part of the McLean Asylum at Somerville, are warmed by means of water circulated in four-inch copper or cast iron tubes. The plan, as adopted in these institutions, gives very perfect satisfaction.

But there are no more perfectly warmed and ventilated establishments in the country than the New York Hospital, at the city of New York, the Pennsylvania Hospital, in the city of Philadelphia, the New Jersey State Lunatic Hospital, at Trenton, the State Lunatic Hospital, at Harrisburg, and the State Lunatic Hospital, at Utica. Some hospitals have been erected within a few years, in several of the Western States, perhaps as perfectly warmed and ventilated as these. In all these establishments, steam is the agent employed, and it gives very perfect satisfaction. It is not only used in them for the purpose of warming, but it is also employed in cooking and washing, and for effecting a forced ventilation. For these uses it is invaluable, as the importance of a forced ventilation cannot easily be overestimated.

The plan of employing it at Utica being the most recent, is believed to combine more of modern improvements than any other. It is probably the most perfectly arranged plan for warming and ventilating, that is to be found, either in this country or Europe. It has been introduced the past season, at a very heavy expense. Notwithstanding their hospital was built more than ten years after ours, and in architectural ar-

rangements is superior, yet the legislature of New York, with a liberality that refuses to deny any expenditure that may be necessary, to render it more perfect as an instrument for accomplishing the benevolent object of its erection, have authorized an expenditure of \$75,000 the past season. Its partitions have been taken down and built up anew, with hot-air flues and ventiducts of suitable sizes in them. The amount of tubing employed for conveying the steam to warm it, is one square foot of superficial surface to every fifty cubic feet of space. The proportion employed in the other hospitals mentioned, is from one square foot to fifty, to one square foot to seventy-five cubic feet of space.

The Hospital at Utica, in all its appointments, may justly be regarded as a model institution, although its ground plan, in our opinion, is inferior to that of Trenton and Harrisburg.

Our Hospital at Worcester has not only ceased to be regarded as a model institution, but it has fallen into the rear rank in the march of improvement. Can the reputation of Massachusetts suffer it to remain there?

No definite estimates have been made, of the cost of the proposed improvements. There are about one million cubic feet of space in the whole establishment. In the portion occupied by the patients, not including the centre building, chapel, kitchens and laundry, according to a computation of the Superintendent, there are but six hundred thousand cubic feet. One million cubic feet of space, upon the maximum calculation, would require twenty thousand square feet surface of pipe or tubing. This, at sixty cents per foot, would cost \$12,000. Boilers, of sufficient size, would cost \$5,000 more. Further than this it would be impossible to make estimates, until some definite plan shall be determined on. We have presented the wants of the institution for the consideration of the government, and if it shall be determined that those wants shall be supplied, there will be no difficulty in obtaining plans and estimates.

But the better course to pursue, in the opinion of a majority of the Board, is to make only such repairs as may be necessary for occupying it till another institution can be erected to take its place, and that measures be taken immediately, for the purchase of a suitable site, and the erection thereon of the neces-

sary buildings; and as soon as they can be completed, to evacuate the present establishment and sell it. It is believed that the hospital property will sell for enough to defray the whole expense of a new establishment, comprising all the modern improvements, without costing the State one dollar from its treasury.

One of the two schemes should be adopted immediately, and unless the legislature shall early decide upon condemning the old Hospital and building a new one, the Trustees will deem it their duty to enter upon and carry into effect the before-mentioned improvements and repairs, the means for doing which are already at their command.

It will be seen by the Treasurer's Report, herewith submitted, that the receipts during the year, including a balance on hand at its commencement, of \$22,780.13, have amounted to \$76,768.51, and the expenditures to \$53,636.66, leaving a balance in the treasury, at the close of the year, of \$23,131.85.

Of the receipts, \$200 was a donation from an unknown friend of the institution, received last October by the hand of Major Enoch Flagg, of Chicopee, who stated that the donor did not wish to be known. This expression of good will to this great and most beneficent charity, is acknowledged with gratitude by its Trustees, in behalf of its beneficiaries.

The expenditures of the last year have exceeded those of the preceding, \$9,524.87. This has arisen from a variety of causes, viz.: the larger number of patients, the enhanced prices of most of the supplies, and the larger amount expended for repairs and improvements. This item is \$6,010.47, being \$4,168.58 larger than that of the preceding year.

An iron fence has been placed on the wall in front of the Hospital, weighing twenty-four pounds, and costing \$1.75 per foot, and another by the steps up to the Hospital, weighing thirty-six pounds, and costing \$2 per foot. The two, exclusive of the arch over the entrance, cost \$2,321.75. A fence on stone posts, with wooden palings, has also been erected around the eastern garden. All these fences were determined on, and arrangements for their construction made previous to the commencement of the last year.

The law provides, that the Trustees shall fix the price of board for all but State paupers, at its actual cost. Finding

that the price established exceeded the cost, as a large surplus had accumulated in the treasury, the Trustees, at their first meeting in February, 1853, passed the following vote, viz. :—

Voted, That patients, the price of whose board the Trustees are authorized to establish, after they have been in the Hospital one year, shall be charged one dollar and seventy-five cents by the week, and no more, from and after the first day of March, 1853.

It now appears, that the reduction is below the actual cost, as shown by the Superintendent's statement, which makes it \$101.37 per year each. If it costs this sum per patient, when the Hospital is so crowded, with only about one attendant to thirty patients, the cost must be very considerably increased when the number of patients shall be reduced to the accommodations of the Hospital, or the proportion of attendants to patients shall be employed, which was determined on as the minimum, by the Association of Medical Superintendents of American Institutions for the Insane, at their annual meeting in Baltimore, last May.

They say, in Proposition No. XI. * “ In no institution should the number of persons in immediate attendance on the patients, be in a lower ratio than one attendant for every ten patients; and a much larger proportion of attendants will commonly be desirable.”

Other reforms are likewise needed; such as additional means of amusement and occupation, to divert “ the mind diseased” from its vagaries and hallucinations, which, if procured, will increase the cost of board. Another consideration should not be omitted; and that is, that the second hospital, when it shall be opened, will not be able to board its patients at so low a rate. At the New York State Hospital at Utica, the cost per patient, in 1852, was \$3.18. The counties pay for the board of their paupers \$2.50 per week, while private boarders are charged considerably more, according to circumstances.

Believing that \$2 per week is quite as low as it ought to cost under existing circumstances, and less than it will cost when the number of patients shall be reduced, and the desired improvements made, the Trustees have repealed their vote of

* See Appendix.

last February, and restored the prices then reduced, to their former amount, from and after the first of next March.

There has been but one change in the official household, during the past year. Dr. Lee, the first Assistant Physician, left on the first of last October. He has been for a long period connected with the Hospital, and has uniformly given the highest satisfaction. It was with regret that the Trustees learned his determination to leave. He has gone on a tour of observation to Europe and Asia. He carries with him the highest confidence of those Trustees who have been officially connected with him, in his integrity, ability and skill, and their best wishes for his safe return and future success.

The State still retains the valuable services of the other officials, by whose assiduous care and attentive zeal, under Providence, this blessed charity has gone on for a series of years, fulfilling its mission of beneficence, restoring the lost to themselves, and gladdening the hearts of thousands.

For a more full and particular account of the affairs and condition of the Hospital, we refer to the interesting and able Report of Dr. Chandler, the Superintendent, which is herewith transmitted as a part of this Report.

FOSTER HOOPER.
SAMUEL G. HOWE.
REJOICE NEWTON.
FRANKLIN RIPLEY.
JAMES B. CONGDON.

WORCESTER, Dec. 26th, 1853.

TREASURER'S REPORT.

To the Trustees of the State Lunatic Hospital:

The Treasurer respectfully reports:—

That the balance in his hands at the close of the year ending Nov. 30, 1852, was,	\$22,780 13
Since which time he has received—	
From the Commonwealth for support of Lunatic State Paupers,	22,658 65
From cities, towns, and individuals,	30,957 53
From the Steward, for articles sold,	154 61
Interest on legacy of Ziba Storrs,	30 00
A donation from an unknown "Friend of the Institution,"	200 00
	<hr/>
	\$76,780 92
Deduct excess of credit in report of 1852,	12 41
	<hr/>
	\$76,768 51
	<hr/>

The Expenditures of the year have been as follows:—

For wages and labor,	\$11,560 83
Salary of Treasurer,	400 00
Improvements and repairs,	6,010 47
Furniture,	1,661 58
Clothing,	1,716 77
Flour, 680 barrels,	4,519 19
Meal of Rye and Corn,	1,087 70
Biscuit, \$227.33; Farina, \$12.96,	240 29
Coffee, 3,758 pounds,	431 59
Tea, 2,016 "	491 60
Sugar, 30,615 "	2,018 30

For Rice, 3,798 pounds,	\$195 56
Molasses, 1,408 gallons,	394 10
Syrup, 134 "	38 02
Beef and Pork, 76,579 pounds,	5,186 59
Fish—salt, 11,500 "	417 91
" fresh, 1,414 "	76 37
Mackerel,	130 75
Poultry, 2,900 pounds,	299 80
Bacon, 3,235 "	349 16
Beans, \$92.50 ; Peas, \$6.50,	99 00
Potatoes, 1,688 bushels,	1,079 18
Butter, 32,775 pounds,	6,337 94
Cheese, 2,347 "	205 52
Apples, \$401.15 ; Fresh Fruits, \$436.92,	838 07
Squashes,	75 00
Cassia, \$26.28 ; Mustard, \$27 ; other small groceries, \$122.94,	176 22
Vinegar, \$98.17 ; Honey, &c., \$15.63,	113 80
Lard, 1,318 pounds,	156 60
Salt, \$44.63 ; Saleratus, \$29.86,	74 49
Wood, 265 cords,	1,323 37
Charcoal, 5,621 bushels,	551 27
Hard Coal, 638,935 pounds,	1,960 03
Two pair Oxen, \$233 ; Nine Cows, \$251,	484 00
Pasturing, \$30.87 ; Shorts, \$42,	72 87
Straw, 34,000 pounds,	187 98
Whale Oil, \$213.86 ; Lime and Cement, \$32.45,	246 31
Soap, \$75.40 ; Potashes, \$70.25 ; Starch, \$13.74,	159 39
Gas Light and repairs,	578 67
Medical Supplies,	238 50
Books, Stationery, and Printing, \$109.91 ; Postage, \$30.19,	140 10
Music and Teaching,	67 00
Removal of Patients,	81 50
Expense charged to Patients,	36 29
Recovery of Elopers,	45 85
Freight, by railroad and express,	258 79
Trustees' expenses,	383 55

For Sexton's bills,	\$219 50
Miscellaneous expenses, not otherwise specified,	219 39
	—————
	\$53,636 66
Balance, November 30,	23,131 85
	—————
	\$76,768 51

SAMUEL JENNISON, *Treasurer.*

WORCESTER, December 8, 1853.

WORCESTER, Jan. 23, 1854.

The undersigned, a Committee of the Trustees of the State Lunatic Hospital, have examined the accounts of Samuel Jennison, Esq., Treasurer of the institution, and have, in a satisfactory manner verified all its items, except that which consists of the receipts from "Cities, Towns, and Individuals," which item must be left for further examination, in order that there may be no unseasonable delay in printing the Annual Report.

JAMES B. CONGDON.

S. G. HOWE.

SUPERINTENDENT'S REPORT.

Twenty-first Annual Report of the Superintendent, to the Trustees of the State Lunatic Hospital.

GENTLEMEN:—Although the year that has just passed, went by without many remarkable events to mark its progress, every day brought with it some incidents of interest to this large family. The almost daily arrival of the insane to become members of it, and the departure of those who have, for a time, sojourned with us,—the change going on in the mental condition of its individual members,—the breaking away of the cloud that obscured the mental vision of some, and the darkness settling upon the minds of others,—the wild extravagance of the conduct of some, and the melancholy repose of others,—the bold obtrusion of some, and the hesitating diffidence of others,—and that moral perversity of the feelings that causes some to lift their hands against themselves or others,—all these are incidents of daily occurrence, and they occasion much anxiety on the part of those who have the care of the different departments, and demand unceasing activity and watchfulness. The institution has been so much crowded during the whole year, that the wisest direction and most wakeful vigilance could hardly be expected to have preserved us so safely as we have been. We are, therefore, ever ready to acknowledge the guiding hand of Providence in all its vast concerns.

The hospital has had its usual success in restoring to health and to their friends, a large share of those committed to its care, in ameliorating the condition of others, and in making comparatively comfortable, a large share of all within its borders.

The following annexed Tables exhibit, with the accompanying remarks, more particularly the past and present condition of the institution.

TABULAR VIEW

Of the Condition of the Patients in the State Lunatic Hospital from Dec. 1, 1852, to Nov. 30, 1853, inclusive.

TABLE—(Continued.)

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal.	Homicidal.
1844.	1850 April 12	64	Male	Married	Intemperance, Unknown,	4 years	The Court	9 yrs	7 mths	Died Remains	Hereditary.	Periodical.
	do 1852	25	do	Single	Intemperance, Hard study,	4 m'ths	do	9 yrs	8 mths	do	Pauper from England.	
	do 1853	45	do	Married	Love affair,	2 years	do	9 yrs	8 mths	do	do	New York.
	1873 May 8	27	do	Single	Religious,	2 do	do	9 yrs	7 mths	do	do	Ireland.
	1902 June 20	57	Female	Widow	Intemperance, Unknown,	5 years	do	9 yrs	6 mths	do	do	Maine.
	1933 Aug. 3	45	Male	Single	do	10 days	do	9 yrs	4 mths	do	do	Colored.
	1934 do	26	Female	do	do	Unkn'wn	do	9 yrs	4 mths	do	do	
	1935 do	36	do	do	do	6 years	do	9 yrs	4 mths	do	do	
	1939 do	38	do	do	do	2½ do	do	9 yrs	2 mths	do	do	
	1955 do	27	do	do	do	5 do	do	9 yrs	2 mths	do	do	
	1980 Oct.	1	23	Male	Masturbation, Unknown,	2 do	do	9 yrs	2 mths	do	do	
	1981 do	2	36	Female	do	3 do	do	9 yrs	2 mths	do	do	
	1985 do	12	46	do	do	3 do	do	9 yrs	2 mths	do	do	
	1997 do	24	30	do	do	12 do	The Friends	8 yrs	11 mths	Died Remains	do	
	2011 Nov.	27	39	Male	Intemperance, Masturbation, Unknown,	2 do	The Overseers	9 yrs	11 mths	do	do	
	2014 Dec. 2	31	35	do	do	12 do	The Court	8 yrs	11 mths	do	do	
	2030 do	17	30	do	do	10 do	do	8 yrs	11 mths	do	do	
	2031 do	17	30	do	do	3 do	do	8 yrs	11 mths	do	do	
	2033 do	26	30	do	do	do	do	8 yrs	11 mths	do	do	
1845.	1847 Jan.	21	do	do	Masturbation, do	do	do	6 do	do	do	do	
	do 1848	29	do	do	do	4 m'ths	The Friends	8 yrs	11 mths	do	do	
	do 1852	40	Female	Married	Unknown,	10 years	The Court	8 yrs	11 mths	do	do	
	do 1853	45	Male	do	Intemperance,	6 weeks	do	8 yrs	11 mths	do	do	
	1862 Feb.	40	Female	do	Puerperal,	Unkn'wn	do	8 yrs	10 mths	Remains	do	
	do 1867	30	Male	Single	Masturbation,	4 years	do	8 yrs	9 mths	do	do	
	1883 March 8	31	do	do	Hard study,	1 do	do	8 yrs	8 mths	do	do	
	1912 April 25	50	do	do	Intemperance,	1 do	do	8 yrs	8 mths	do	do	
	1912 do	26	do	do	Fever,	20 do	do	8 yrs	7 mths	do	do	
	1913 May 24	48	Female	do	Disappointed affection,	3 do	The Friends	8 yrs	7 mths	do	do	
	1914 do	27	do	do	Hard labor,	2 weeks	The Court	8 yrs	7 mths	do	do	

TABLE—(Continued.)

No.	Time of admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal.	Homicidal.
	1847.											
2600	Jan.	19	Male	Married	Unknown,	7 m'ths	The Court	6 yrs 11 mths	Remains	Stationary	Pauper from Germany.	
2604	do	22	do	Single	do	Unkn'wn	do	6 yrs 10 mths	do	do	do	
2634	March	17	Female	Took cold,	do	7 years	The Friends	6 yrs 8 mths	do	do	Ireland.	
2645	April	16	Male	Married	Unknown,	2 m'ths	Unkn'wn	6 yrs 7 mths	do	do	Periodical.	
2673	May	14	do	do	do	1 year	The Court	6 yrs 6 mths	do	do	do	
2687	June	8	Male	Single	do	5 do	do	6 yrs 6 mths	do	do	do	
2708	July	16	do	Widow'r	Epilepsy,	Unkn'wn	do	6 yrs 4 mths	do	do	do	
2709	do	16	do	Single	do	do	do	6 yrs 4 mths	do	do	do	
2710	do	16	Female	Unk'wn	Unknown,	18 m'ths	do	6 yrs 4 mths	do	do	do	
2711	do	16	do	Single	do	do	do	6 yrs 4 mths	do	do	do	
2725	do	27	Male	Epilepsy,	do	6 years	do	6 yrs 4 mths	do	do	do	
2740	Aug.	19	Female	Unknown,	do	2 do	do	6 yrs 3 mths	do	do	do	
2747	Sept.	2	do	Opium-eating,	do	10 do	The Friends	6 yrs 3 mths	do	do	do	
2778	Oct.	5	do	Unknown,	do	4 days	do	6 yrs 2 mths	do	do	do	
2785	do	16	do	do	do	do	Unkn'wn	6 yrs 1 mth	do	do	do	
2788	do	16	Male	do	do	do	The Court	6 yrs 1 mth	do	do	do	
2791	do	18	do	Paralysis,	do	18 years	do	6 yrs 1 mth	do	do	do	
2832	do	29	Female	Unknown,	do	6 m'ths	do	6 yrs 1 mth	do	do	do	
2808	Nov.	9	Male	do	do	3 years	do	6 yrs 1 mth	do	do	do	
2816	do	18	Female	Ill health,	do	6 m'ths	The Friends	6 yrs 1 mth	do	do	do	
2832	Dec.	9	Male	Masturbation,	do	4 years	The Court	5 yrs 11 mths	do	do	do	
2339	do	21	do	Intemperance,	do	14 m'ths	do	5 yrs 11 mths	do	do	do	
	1848.											
2860	Jan.	8	Female	Hard study,	do	1 year	The Friends	5 yrs 10 mths	do	do	do	
2875	Feb.	2	do	Disappointed affection,	do	31 do	do	5 yrs 10 mths	do	do	do	
2891	do	17	do	Property,	do	6 m'ths	The Court	5 yrs 10 mths	do	do	do	
2911	April	7	Male	Epilepsy,	do	1 year	do	5 yrs 10 mths	do	do	do	
2914	do	10	do	Ill health,	do	5 m'ths	do	5 yrs 8 mths	do	do	do	
2927	do	23	do	Unknown,	do	3 weeks	do	5 yrs 7 mths	do	do	do	
2931	May	4	Female	do	do	2 years	do	5 yrs 7 mths	do	do	do	
2933	do	23	do	Married	do	8 m'ths	do	5 yrs 7 mths	do	do	do	

TABLE—(Continued.)

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal.	Homicidal.	Periodical.
3181	April 19.	42	Male	Single	Sun struck, Unknown,	10 years	The Court	4 yrs	7 mths	Remains	do	do	do
3187	May 1	32	Female	do	do	1 do	do	4 yrs	7 mths	do	do	do	do
3191	do 12	28	Male	do	do	4 m'ths	do	4 yrs	7 mths	do	do	do	do
3192	do 14	20	Female	Married	Puerperal,	3 do	do	4 yrs	6 mths	do	do	do	do
3196	do 17	40	do	do	Single	6 do	do	4 yrs	6 mths	do	do	do	do
3211	June 8	27	do	do	Unknown,	3 do	do	4 yrs	6 mths	do	do	do	do
3218	do 14	49	do	do	Religious,	4 years	do	4 yrs	2 mths	Disch'rg'd Remains	do	do	do
3228	do 25	31	Single	do	Hard labor,	3 do	do	4 yrs	5 mths	do	do	do	do
3229	do 26	21	Male	do	Sun struck,	2 weeks	do	4 yrs	5 mths	do	do	do	do
3242	July 9	30	do	do	do	1 year	do	4 yrs	5 mths	do	do	do	do
3243	do 11	38	do	do	Unknown,	6 weeks	do	4 yrs	4 mths	do	do	do	do
3244	do 12	55	Female	Unk'wn	do	12 years	do	4 yrs	4 mths	do	do	do	do
3247	do 16	40	Male	do	do	Unkn'wn	do	4 yrs	4 mths	do	do	do	do
3260	do 24	35	Female	do	do	do	do	4 yrs	4 mths	do	do	do	do
3261	do 27	38	Male	do	Epilepsy,	10 years	do	4 yrs	4 mths	do	do	do	do
3268	Aug. 1	50	do	do	Intemperance,	1 m'nth	The Overseers	4 yrs	4 mths	do	do	do	do
3269	do 1	26	Female	do	do	3 years	The Court	4 yrs	3 mths	do	do	do	do
3275	do 10	40	do	do	do	Unkn'wn	do	4 yrs	3 mths	do	do	do	do
3277	do 14	30	do	do	do	2 years	do	4 yrs	3 mths	do	do	do	do
3281	do 16	14	do	do	do	Unkn'wn	do	4 yrs	3 mths	do	do	do	do
3290	do 31	60	Male	do	do	2 years	The Overseers	4 yrs	3 mths	do	do	do	do
3293	Sept. 4	65	Female	do	do	2 m'ths	do	4 yrs	3 mths	do	do	do	do
3295	do 8	24	do	do	do	do	do	4 yrs	3 mths	do	do	do	do
3296	do 10	38	do	do	do	do	do	4 yrs	3 mths	do	do	do	do
3304	do 20	23	do	do	do	do	do	4 yrs	3 mths	do	do	do	do
3306	do 21	50	do	do	do	do	do	4 yrs	2 mths	do	do	do	do
3315	Oct. 3	23	do	do	do	do	do	4 yrs	1 mth	do	do	do	do
3333	Nov. 5	26	do	do	do	do	do	4 yrs	1 mth	do	do	do	do
3334	do 6	21	Female	do	do	do	do	4 yrs	1 day	do	do	do	do
3338	do 12	38	do	do	do	do	do	4 yrs	1 year	do	do	do	do
3346	do 16	48	do	do	do	do	do	4 yrs	1 year	do	do	do	do

		Consumption		Hereditary.	
		Stationary	Remains	do	do
3349	do				
3354	do	2	do	do	do
3357	do	23	do	do	do
3363 Dec.	do	27	do	do	do
3364	do	8	do	do	do
3365	do	10	do	do	do
3369	do	11	do	do	do
3370	do	14	do	do	do
3378 Jan.	2	21	do	do	do
3380	do	23	do	do	do
3385	do	28	do	do	do
3390	do	29	do	do	do
3395	do	30	do	do	do
3418 March	18	35	do	do	do
3419 do	19	37	do	do	do
3420 do	20	33	do	do	do
3421 do	21	35	do	do	do
3427 April	2	35	do	do	do
3430 do	5	65	do	do	do
3462 May	23	35	do	do	do
3472 June	12	50	do	do	do
3473 do	12	47	do	do	do
3477 do	18	40	do	do	do
3486 do	26	26	do	do	do
3488 do	28	33	do	do	do
3489 do	29	55	do	do	do
3490 do	29	47	do	do	do
3507 July	18	25	Male	Masturbation,	
3510 do	22	35	do	Epilepsy,	
3515 do	29	31	do	Homesickness,	
3523 Aug.	12	51	Female	Unknown,	
3528 do	17	30	do	Turn of life,	
3529 do	17	24	Male	Unknown,	
3547 Sept.	7	50	do	Unknown,	
3554 do	14	50	Female	Sun struck,	
3555 do	14	22	do	Unknown,	
3565 Oct.	11	45	do	do	
3568 do	15	21	do	do	
3587 Nov.	8	26	do	do	
3588 do	13	25	Female	do	

TABLE—(Continued.)

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	Suicidal. In what state.	Hereditary.	Homicidal. Periodical.
3590	Nov. 1850.	18	Male	Single	Fracture of skull, Unkn'wn Unknown, .	10 years	Probate Court	3 yrs	Remains	2 yrs	1 mth	Died
3595	do	21	do	Unkn'wn	Epilepsy, .	8 years	do	3 yrs	do	2 yrs	10 mths	Remains
3597	do	23	do	Single	Unknown, .	3 m'onths	do	3 yrs	do	2 yrs	6 mths	Stationary
3599	Dec.	2	Female	Widow	Loss of child, .	1 do	do	3 yrs	do	2 yrs	7 mths	Disch'r'g'd
3600	do	4	do	Married	Unknown, .	Unkn'wn	do	3 yrs	do	2 yrs	7 mths	Improved
3601	do	4	do	Single	do	do	do	3 yrs	do	2 yrs	11 mths	Want of room
3602	do	4	Male	Unkn'wn	do	do	do	3 yrs	do	1 yr	11 mths	Stationary
3604	do	7	do	Single	do	2 years	The Overseers	3 yrs	do	2 yrs	8 mths	Disch'r'g'd
3605	do	11	do	do	do	20 do	The Friends	2 yrs	do	2 yrs	10 mths	Stationary
3613	do	28	Female	do	Followed fever, .	4 m'onths	do	do	do	do	do	do
3616	do	31	do	do	Overdoing, .	do	do	do	do	do	do	do
	1851.											
3621	Jan.	2	do	do	Unknown, .	do	Probate Court	2 yrs	do	2 yrs	1 mth	Marasmus
3623	do	6	do	do	do	do	Probate Court	2 yrs	do	2 yrs	10 mths	Stationary
3634	do	22	do	do	do	do	do	do	do	do	6 mths	Disch'r'g'd
3638	do	27	do	do	do	do	do	do	do	do	7 mths	Improved
3644	Feb.	5	do	do	Fits, .	do	do	do	do	do	1 mth	Want of room
3645	do	6	do	do	Unknown, .	do	The Friends	2 yrs	do	2 yrs	8 mths	Stationary
3650	do	14	do	do	Fits, .	do	Probate Court	2 yrs	do	2 yrs	6 mths	Disch'r'g'd
3655	do	24	do	do	Unknown, .	do	do	do	do	do	1 mth	Stationary
3656	do	26	do	do	Trouble in business, .	do	do	do	do	do	6 mths	Disch'r'g'd
3661	March	3	do	do	Unknown, .	do	The Overseers	2 yrs	do	2 yrs	6 mths	Improved
3669	do	12	do	do	do	do	Probate Court	2 yrs	do	2 yrs	6 mths	Stationary
3670	do	12	do	do	do	do	do	do	do	do	6 mths	do
3693	April	5	do	do	Masturbation, .	do	do	do	do	do	1 yr	10 mths
3694	do	7	do	do	Domestic affliction, .	do	The Overseers	3 years	do	2 yrs	4 mths	Recovered
3704	do	30	do	do	Ill health, .	do	Probate Court	6 m'onths	do	2 yrs	2 mths	Stationary
3721	May	17	do	do	Idiot, .	do	Munic'l Court	16 years	do	2 yrs	3 mths	Disch'r'g'd
3728	do	22	do	do	Unknown, .	do	Probate Court	Unkn'wn	do	2 yrs	6 mths	Want of room
3732	June	3	do	do	do	do	do	6 weeks	do	1 yr	10 mths	Improved
3736	do	6	do	do	do	do	do	do	do	2 yrs	do	Recovered

TABLE—(Continued.)

No.	Time of admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Satiellal.	
											Hereditary.	Homicidal.
1851.												
3863	Dec.	2	40	Male	Single Unknown,	1 m'nth	Probate Court	1 yr	Died	Palsy		
3864	do	3	14	do	do Hard study,	2 weeks	Munic'l Court	1 yr	Disch'r'g'd	Recovered		
3865	do	4	40	do	do Married Fits,	1 do	Probate Court	2 yrs	do	Stationary		
3866	do	5	37	Female	Single Unknown,	10 years	do	1 yr	do	do		
3868	do	6	31	Male	Unk'wn do	do	do	2 yrs	do	do		
3873	do	12	30	Female	Single do	14	do	2 yrs	do	do		
3875	do	15	23	Male	do Epilepsy,	do	do	2 yrs	do	do		
3876	do	15	59	do	do Unknown, do	6 weeks	do	2 yrs	do	do		
3877	do	16	40	Female	do Married do	2 do	The Overseers	1 yr	do	do		
3884	do	21	32	do	do do	10 days	The Friends	1 yr	do	do		
3887	do	26	68	Female	Widow do	4 years	Probate Court	1 yr	do	do		
3889	do	29	41	do	do Unk'wn	do		1 yr	do	do		
1852.												
3890	Jan.	1	42	do	Married Turn of life,	4 weeks	The Overseers	1 yr	do	do		
3891	do	2	43	Male	Single Unknown,	years	Probate Court	1 yr	do	do		
3892	do	3	54	Female	Married do	do	The Friends	1 yr	do	do		
3894	do	9	44	do	do do	4 m'ths	Munic'l Court	1 yr	do	do		
3899	do	14	44	do	do Single	2 weeks	The Friends	1 yr	do	do		
3902	do	21	22	Male	do do	3 years	Sup. Ju. Court	1 yr	do	do		
3904	do	22	22	Female	do do	3 m'ths	Probate Court	1 yr	do	do		
3905	do	23	26	do	do do	1 week	do	1 yr	do	do		
3906	do	27	21	do	do do	7 m'ths	do	1 yr	do	do		
3907	do	27	45	do	do do	1 year	do	1 yr	do	do		
3908	do	28	30	Male	do do	1 m'nth	do	1 yr	do	do		
3912	Feb.	2	32	do	do Married	1 year	do	4 mths	do	do		
3916	do	9	21	do	do Single	3 m'ths	Unknown,	1 yr	do	do		
3919	do	10	28	do	do do	4 do	do	9 mths	do	do		
3920	do	12	22	Female	do do	2 do	Fear, do	1 yr	do	do		
3924	do	17	17	do	do do	3 years	Unknown,	1 yr	do	do		
3925	do	19	28	Male	Fits, do	2 m'ths	Loss of wife, do	1 yr	do	do		
3934	March	3	39	do	do do	1 year	Single Unknown,	1 yr	do	do		

TABLE—(Continued.)

Time of Admission.	No.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom com- mitted.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal.	Homicidal.
											Periodical.	Periodical.
1852.	4007	June 9	37	Female	Married	Loss of property,	Munic'l Court	1 yr	6 mths	Disch'rg'd	Recovered	
	4008	do 10	30	do	Single	Unknown,	Probate Court	do	2 mths	Want of room	Recovered	
	4010	do 10	22	Male	do	do	do	do	9 mths	Lung fever	Recovered	
	4011	do 12	38	do	do	do	do	do	10 mths	Stationary	do	Hereditary.
	4013	do 14	33	Female	do	Millerism,	do	do	5 mths	Want of room	do	
	4014	do 15	40	do	Married	Unknown,	do	do	2 mths	Improved	do	
	4015	do 15	23	do	Single	do	do	do	11 mths	Recovered	do	
	4016	do 15	29	Male	do	do	do	do	7 mths	do	do	
	4018	do 17	21	Female	do	Homesickness,	do	do	6 mths	do	do	
	4020	do 18	26	do	Married	Unknown,	Probate Court	1 yr	5 mths	Remains	Improved	
	4021	do 18	35	do	do	do	do	do	5 mths	do	Stationary	
	4026	do 24	18	do	do	Jealousy,	do	do	5 mths	do	do	
	4028	do 25	62	Male	do	Followed fever,	do	do	6 mths	do	do	
	4030	do 28	41	Female	do	Loss of property,	do	do	5 mths	do	do	
	4032	do 29	37	Male	do	Unknown,	do	do	5 mths	do	do	
	4034	July 1	18	do	do	do	do	do	8 mths	do	do	
	4037	do 3	27	Female	do	do	do	do	3 mths	do	do	
	4041	do 8	37	do	Married	do	do	do	5 mths	do	do	
	4042	do 10	43	do	do	do	do	do	9 mths	do	do	
	4043	do 10	40	do	do	do	do	do	1 mth	do	do	
	4044	do 10	25	do	do	do	do	do	5 mths	do	do	
	4045	do 10	40	do	do	do	do	do	4 mths	do	do	
	4046	do 12	43	do	do	do	do	do	4 mths	do	do	
	4047	do 12	38	do	do	do	do	do	1 mth	do	do	
	4048	do 12	27	do	do	do	do	do	4 mths	do	do	
	4049	do 12	27	do	do	do	do	do	1 yr	do	do	
	4050	do 13	60	do	do	do	do	do	4 mths	do	do	
	4051	do 13	30	do	do	do	do	do	2 mths	do	do	
	4052	do 15	38	do	do	do	do	do	4 mths	do	do	
	4053	do 15	32	do	do	do	do	do	10 mths	do	do	
	4056	do 20	do	do	do	do	do	do	4 mths	do	do	

TABLE—(Continued.)

No.	Time of admission.	Age when admitted.	Civil condition.	Sex.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	Suicidal.	Homicidal.	Periodical.
	1852.	52	Female	Single	Ill health, Unknown,	6 m'ths	Probate Court	1 yr	6 mths	Disch'rg'd	Recovered	
4115	Sept.	23	Male	Single	do	1 do	The Overseers	7 mths	Remains	Improved		
4116	do	25	Female	do	do	Unkn'wn	Probate Court	9 mths	Disch'rg'd	Stationary		
4117	do	28	do	do	do	Munici'l Court	2 weeks	2 mths	Remains	do		
4118	do	28	do	do	do	do	3 do	2 mths	Disch'rg'd	Recovered	do	
4119	do	30	do	do	do	do	1 do	5 mths	do	do	do	
4120	Oct.	1	do	do	do	do	1 do	2 mths	do	do		
4121	do	2	do	do	do	do	2 do	5 mths	do	do		
4122	do	5	do	do	do	do	2 do	9 mths	Died	Consumption		
4123	do	5	do	do	do	do	1 do	2 mths	Disch'rg'd	Improved		
4124	do	5	do	do	do	do	1 do	1 mth	Remains	do		
4125	do	5	do	do	do	do	1 do	4 mths	Disch'rg'd	Recovered	do	
4126	do	5	do	do	do	do	do	9 mths	do	do		
4127	do	6	do	do	do	do	do	6 mths	do	do		
4128	do	7	do	do	do	do	do	6 mths	do	do		
4129	do	11	do	do	do	do	do	1 mth	Remains	do		
4130	do	11	do	do	do	do	do	10 mths	Disch'rg'd	Recovered	do	
4131	do	12	do	do	do	do	do	31 mths	Died	Marasmus	do	
4132	do	14	do	do	do	do	do	24 mths	Disch'rg'd	Recovered	do	
4133	do	14	do	do	do	do	do	3 mths	do	do		
4134	do	14	do	do	do	do	do	8 mths	do	do		
4135	do	14	do	do	do	do	do	4 mths	do	do		
4136	do	18	do	do	do	do	do	4 mths	do	do		
4137	do	20	do	do	do	do	do	12 mths	Died	Exhaustion	do	
4138	do	21	do	do	do	do	do	8 mths	Disch'rg'd	Recovered	do	
4139	do	27	do	do	do	do	do	15 mths	do	do		
4140	do	28	do	do	do	do	do	5 weeks	do	do		
4141	do	28	do	do	do	do	do	1 m'nh	do	do		
4142	do	28	do	do	do	do	do	5 weeks	do	do		
4143	Nov.	3	do	do	do	do	do	15 mths	do	do		
4144	do	3	do	do	do	do	do	15 mths	do	do		
4145	do	5	do	do	do	do	do	15 mths	do	do		
4146	do	18	do	do	do	do	do	25 days	Remains	do		

4147	Nov.	6	Unk'wn	Unknown,	do	1 yr	24 days	Remains	Stationary	do
4148	do	9	Unk'wn	do	do	4 weeks	4 mos	Disch'r'g'd	Recovered	do
4149	do	10	Unk'wn	Mesmerism,	do	3 weeks	20 days	Remains	Stationary	do
4150	do	10	Unk'wn	Unknown,	do	1 do	3 mos	Died	Consumption	do
4151	do	10	Male	do	do	4 do	12 days	Disch'r'g'd	Recovered	do
4152	do	10	Female	do	do	12 days	do	do	do	do
4153	do	11	Male	Married	do	2 years	6 mos	Died	Marasmus	do
4154	do	11	Female	do	do	13 m'ths	19 days	Remains	Stationary	do
4155	do	11	Male	Female	do	3 do	19 days	do	do	do
4156	do	13	Male	Widow	do	5 do	17 days	do	do	do
4157	do	13	Female	Single	do	Unk'wn	9 mos	Disch'r'g'd	Want of room	do
4158	do	17	do	Unk'wn	do	4 m'ths	9 mos	do	Recovered	do
4159	do	19	do	Uterine hemorrhage,	do	1 do	11 days	Remains	Improved	do
4160	do	20	do	Puerperal,	do	Probate Court	5 mos	Disch'r'g'd	Recovered	do
4161	do	20	do	do	do	The Overseers	1 yr	Remains	Stationary	do
4162	do	20	do	do	do	Munic'l Court	1 yr	do	do	do
4163	do	20	do	do	do	Probate Court	10 days	do	do	do
4164	do	20	do	do	do	Munic'l Court	10 days	do	do	do
4165	do	20	do	do	do	Probate Court	10 days	do	do	do
4166	do	20	do	do	do	Munic'l Court	10 days	do	do	do
4167	do	26	do	do	do	Probate Court	10 days	do	do	do
4168	do	26	do	do	do	Munic'l Court	10 days	do	do	do
4169	do	26	do	do	do	Probate Court	10 days	do	do	do
4170	do	27	do	do	do	Munic'l Court	10 days	do	do	do
4171	Dec.	2	do	do	do	Probate Court	10 days	do	do	do
4172	do	4	do	do	do	The Overseers	2 mos	do	do	do
4173	do	6	do	do	do	Munic'l Court	1 yr	do	do	do
4174	do	8	do	do	do	Probate Court	1 yr	do	do	do
4175	do	9	do	do	do	Munic'l Court	1 yr	do	do	do
4176	do	10	do	do	do	Probate Court	1 yr	do	do	do
4177	do	11	do	do	do	Munic'l Court	1 yr	do	do	do
4178	do	13	do	do	do	Probate Court	1 yr	do	do	do
4179	do	14	do	do	do	Munic'l Court	1 yr	do	do	do
4180	do	14	do	do	do	Probate Court	1 yr	do	do	do
4181	do	17	do	do	do	Munic'l Court	1 yr	do	do	do
4182	do	20	do	do	do	Probate Court	1 yr	do	do	do
4183	do	20	do	do	do	Munic'l Court	1 yr	do	do	do
4184	do	22	do	do	do	Probate Court	1 yr	do	do	do
4185	do	23	do	do	do	Munic'l Court	1 yr	do	do	do
4186	do	23	do	do	do	Munic'l Court	1 yr	do	do	do

TABLE—(Continued.)

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	Suicidal.	Homicidal.	Hereditary.	Periodical.
4187	1852. Dec.	23	77	Male	Married	Unknown, do	6 m'ths	The Overseers	11 mos	8 days	Remains	Stationary	
4188	do	25	36	Female	do	do	1 week	Municip'l Court	1 mo		Disch'rg'd	Recovered	
4189	do	27	55	Male	Single	do	20 years	Probate Court	8 mos		do	Want of room	
4190	do	30	36	Female	Widow	Desertion of husband, do	1 m'nth	Municip'l Court	8 mos		do	Recovered	
4191	do	30	21	do	Single	Unknown, do	1 do	Probate Court	10 mos		do	do	
4192	do	31	63	Male	do	do	25 years	'The Overseers	2 mos		do	Stationary	
4193	do	31	67	do	Married	Intemperance, do	do	Probate Court	6 mos		do	do	
	1853. Jan.	4	25	do	Single	Masturbation, do	8 m'ths	Municip'l Court	6 mos		do	Recovered	
4194	do	7	35	Female	Widow	Unknown, do	do	Probate Court	1 mo		do	Stationary	
4195	do	8	40	do	Single	do	do	do	10 mos	27 days	Remains	do	
4196	do	11	43	Male	Married	Pecuniary, do	2 weeks	The Overseers	10 mos	20 days	do	do	
4197	do	15	50	do	do	Unknown, do	1 m'ths	Probate Court	1 mo		do	do	
4198	do	16	75	do	do	do	do	'The Overseers	10 mos	15 days	do	do	
4199	do	17	24	Female	do	do	do	do	1 mo		do	do	
4200	do	18	46	do	do	do	do	Probate Court	6 mos		do	do	
4201	do	19	48	Male	Married	Love affair, do	1 week	do	10 mos	13 days	Remains	do	
4202	do	24	48	Female	do	Unknown, do	1 m'nth	do	2½ mos		do	do	
4203	do	25	52	do	do	Paralysis, do	2 weeks	do	1 mo		do	do	
4204	do	25	33	Male	Unk'wn	Unknown, do	Unk'wn	do	2½ mos		do	do	
4205	do	25	35	Female	Widow	do	2 m'ths	do	6 mos		do	do	
4206	do	26	36	Male	Single	do	1 do	do	2½ mos		do	do	
4207	do	26	63	Female	do	Followed fever, do	3 weeks	The Overseers	1 mo	9 days	do	do	
4208	do	26	29	do	Religious, do	do	6 m'ths	Probate Court	10 mos	2 days	Remains	do	
4209	do	29	29	do	Puerperal, do	do	2 weeks	The Overseers	5 mos		do	do	
4210	do	29	25	do	do	do	4 do	Probate Court	1½ mo		do	do	
4211	do	29	42	Male	Married	Unknown, do	2 m'ths	do	2½ mos		do	do	
4212	do	31	56	Female	Widow	Spirit-rapping, do	2 years	do	10 mos		Remains	do	
4213	do	31	41	Male	Married	Epilepsy, do	do	do	10 mos		do	do	
4214	Feb.	1	34	Single	do	Love affair, do	2 m'ths	do	9 mos	28 days	do	do	
4215	do	2	26	do	do	Unknown, do	2 do	do	7 mos		do	do	
4216	do	2	29	do	do	do	do	do					

		Homicidal.		Hereditary.			
28	50	Female Married	do	do	do	9 mos 28 days	Remaining
4217	do	Single	do	do	do	9 mos 23 days	do
4218	do	do	do	do	do	5 mos	Disch'rg'd
4219	do	do	do	do	do	9 mos	Stationary
4220	do	do	do	do	do	9 mos	Remains
4221	do	Male	do	do	do	9 mos	do
4222	do	Female	Widow	do	do	22 days	do
4223	do	Male	Widow ^r	do	do	9 mos	Recovered
4224	do	Female	Married	do	do	21 days	Stationary
4225	do	Male	Single	do	do	9 mos	Recovered
4226	do	do	do	do	do	16 days	Stationary
4227	do	do	do	do	do	16 days	do
4228	do	do	do	do	do	16 days	do
4229	do	do	do	do	do	16 days	do
4230	do	do	do	do	do	16 days	do
4231	do	do	do	do	do	16 days	do
4232	do	do	do	do	do	16 days	do
4233	do	do	do	do	do	16 days	do
4234	do	do	do	do	do	16 days	do
4235	do	do	do	do	do	16 days	do
4236	do	do	do	do	do	16 days	do
4237	do	do	do	do	do	16 days	do
4238	do	do	do	do	do	16 days	do
4239	do	do	do	do	do	16 days	do
4240	do	do	do	do	do	16 days	do
4241	do	do	do	do	do	16 days	do
4242	do	do	do	do	do	16 days	do
4243	do	do	do	do	do	16 days	do
4244	do	do	do	do	do	16 days	do
4245	do	do	do	do	do	16 days	do
4246	do	do	do	do	do	16 days	do
4247	do	do	do	do	do	16 days	do
4248	do	do	do	do	do	16 days	do
4249	do	do	do	do	do	16 days	do
4250	do	do	do	do	do	16 days	do
4251	do	do	do	do	do	16 days	do
4252	do	do	do	do	do	16 days	do
4253	do	do	do	do	do	16 days	do
4254	do	do	do	do	do	16 days	do
4255	do	do	do	do	do	16 days	do
4256	do	do	do	do	do	16 days	do

TABLE—(Continued.)

No.	Time of admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1853.	March 22	22	Male	Masturbation, Unknown, Concentrated indig-	1 week	Probate Court	8 mos	Disch'rg'd	Recovered		
4257	do	22	50	Female	tion, Intemperance, Unknown,	1 do	The Overseers	3 mos	do	do		
4258	do	22	23	Male	2 m'ths	1 Court	2 mos	do	do	Improved		
4259	do	22	47	do	6 weeks	Probate Court	7 mos	do	do	Marsmus		
4260	do	23	35	Female	2 years	The Overseers	8 mos	Remains	do			
4261	do	23	30	Single	4 weeks	Probate Court	4 mos	Disch'rg'd	Stationary			
4262	do	24	19	Married	Unkn'wn	do	do	do	Recovered	Improved		
4263	do	25	18	Male	1 year	do	do	do	do	do		
4264	do	28	18	Female	2 weeks	do	do	do	do	do		
4265	do	28	19	do	Unkn'wn	do	do	do	do	do		
4266	do	31	43	Male	6 m'ths	do	do	do	do	do		
4267	April 1	32	Female	Puerperal, Unknown, Epilepsy, Unknown,	2 weeks	Munic'l Court	2½ mos	do	do	Recovered		
4268	do	54	Male	do	9 years	Probate Court	28 days	do	do	do		
4269	do	8	38	do	1 m'n' h	do	do	do	do	do		
4270	do	8	45	do	4 do	do	do	do	do	do		
4271	do	8	50	Female	Unkn'wn	do	do	do	do	do		
4272	do	8	34	Male	7 weeks	The Overseers	2 mos	do	do	do		
4273	do	8	40	do	1 do	Munic'l Court	2 mos	do	do	do		
4274	do	9	24	Female	3 m'ths	Probate Court	4 mos	do	do	do		
4275	do	11	30	Married	17 years	do	do	do	do	do		
4276	do	11	16	Male	1 week	Unkn'wn	7 mos	Remains	do	do		
4277	do	12	52	Single	Unkn'wn	do	do	do	do	do		
4278	do	12	36	Widow'r	17 years	do	do	do	do	do		
4279	do	13	45	do	1 week	Unkn'wn	4 mos	do	do	do		
4280	do	14	43	Female	Unkn'wn	The Overseers	6½ mos	do	do	do		
4281	do	16	40	Married	1 year	Probate Court	7 mos	Remains	do	do		
4282	do	20	25	do	5 do	Munic'l Court	4½ mos	Disch'rg'd	do	do		
4283	do	20	25	do	2 m'ths	do	7 mos	Remains	Want of room			
4284	do	20	30	Female	Unkn'wn	do	do	do	Not improved	do		
4285	do	20	68	Married	do	do	do	do	do	do		
4286	do	23	do	Single	2 mos	do	7 mos	Remains	Exhaustion			
4287	do	19	Male	do	9 days	The Overseers	9 days	Died	Not improved	Chorea		
					6 m'ths							

TABLE—(Continued.)

TABLE—(Continued.)

No.	Time of Admission.	Age when admitted.	Sex.	Civil condition.	Supposed cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal.	Homicidal.	Periodical.
	1853.												
4399	Sept.	3	Female	Single	Unknown, do	1 m'nth	Probate Court	2 mos 27 days	Remains	Stationary	do	do	
4400	do	8	do	Married	Injury of head, do	do	do	2 mos 22 days	do	do	do	do	
4401	do	9	Male	do	Domestic trouble, do	1 week	do	2 mos 21 days	do	do	do	do	
4402	do	12	Female	do	do	do	do	2 $\frac{1}{2}$ mos	do	do	do	do	
4403	do	14	Male	do	do	do	do	16 days	do	do	do	do	
4404	do	15	do	Single	Unknown, do	8 m'ths	The Overseers	2 mos 15 days	do	do	do	do	
4405	do	16	do	do	Followed fever, do	2 years	Probate Court	2 mos 14 days	do	do	do	do	
4406	do	16	do	do	Masturbation, do	2 do	do	2 mos 14 days	do	do	do	do	
4407	do	17	do	do	Followed fever, do	1 week	The Overseers	1 mo	do	do	do	do	
4408	do	17	do	do	do	10 m'ths	Probate Court	1 $\frac{1}{2}$ mos	do	do	do	do	
4409	do	20	do	Female	Unknown, do	do	do	2 mos 10 days	do	do	do	do	
4410	do	21	do	do	do	do	do	9 days	do	do	do	do	
4411	do	22	do	do	do	3 weeks	do	8 days	do	do	do	do	
4412	do	22	Male	Married	Epilepsy, do	years	The Overseers	2 mos 8 days	do	do	do	do	
4413	do	23	Female	Single	Unknown, do	1 do	Probate Court	2 mos 7 days	do	do	do	do	
4414	do	23	do	do	do	Unkn'wn	The Overseers	2 mos 7 days	do	do	do	do	
4415	do	24	do	do	do	years	Probate Court	2 mos 6 days	do	do	do	do	
4416	do	24	Male	do	do	Unkn'wn	do	6 days	do	do	do	do	
4417	do	26	Female	do	do	2 weeks	do	1 mo	do	do	do	do	
4418	do	27	Male	do	do	2 do	do	3 days	do	do	do	do	
4419	Oct.	1	Female	Single	Idiocy, Intemperance, do	Unkn'wn	The Overseers	2 mos	do	do	do	do	
4420	do	3	Male	do	do	2 weeks	Probate Court	1 $\frac{1}{2}$ mos	do	do	do	do	
4421	do	3	do	Married	Unknown, do	4 do	Munic'l Court	1 mo	27 days	do	do	do	
4422	do	5	do	Unkn'wn	do	Unkn'wn	do	26 days	do	do	do	do	
4423	do	5	do	Single	do	3 m'ths	Probate Court	24 days	do	do	do	do	
4424	do	6	do	Married	do	1 year	Court C. Pleas	1 mo	24 days	do	do	do	
4425	do	8	Female	do	do	2 m'ths	Court C. Pleas	1 mo	23 days	do	do	do	
4426	do	10	do	do	do	6 years	Munic'l Court	1 mo	21 days	do	do	do	
4427	do	11	do	do	do	4 do	Probate Court	1 mo	20 days	do	do	do	
4428	do	12	Male	do	do	4 m'ths	The Overseers	1 mo	18 days	do	do	do	
4429	do	15	do	Single	do	3 weeks	Probate Court	1 mo	16 days	do	do	do	

35	do	18	Female Married	Husband's illness,	2	do	12 days	do
30	do	19	Over exertion,	3 years	The Overseers	1 mo	12 days	do
19	do	24	Unknown,	Probate Court	1 mo	11 days	do	do
40	do	26	do	Unkn'wn	do	1 mo	7 days	do
30	do	26	Single	2 m'nth	do	1 mo	6 days	do
28	do	28	Married	3 do	do	1 mo	5 days	do
31	do	31	Single	2 years	Munic'l Court	1 mo	5 days	do
4436	do	45	Male	Unkn'wn	Probate Court	1 mo	3 days	do
4437	Nov.	1	Female	Unknown,	do	1 mo	3 days	do
4438	do	1	Married	Intemperance,	2 weeks	do	do	do
4439	do	3	do	Unknown,	6 years	do	do	do
4440	do	4	Single	do	2 weeks	do	do	do
4441	do	4	do	Congenital,	15 years	do	do	do
4442	do	5	Female	Unknown,	6 weeks	do	do	do
4443	do	6	do	do	2 m'nth	do	do	do
4444	do	7	Male	Widow	do	25	do	do
4445	do	8	do	Married	do	23	do	do
4446	do	12	Female	Single	do	23	do	do
4447	do	21	do	Widow	do	22	do	do
4448	do	22	do	Unknown,	do	22	do	do
4449	do	22	do	do	do	19	do	do
4450	do	22	do	do	do	do	do	do
4451	do	23	do	do	do	do	do	do
4452	do	23	do	do	do	do	do	do
4453	do	26	do	do	do	do	do	do
4454	do	28	do	do	do	do	do	do
4455	do	28	do	do	do	do	do	do
4456	do	28	do	do	do	do	do	do
4457	do	29	do	do	do	do	do	do
4458	do	30	do	do	do	do	do	do

TABLE 1,

Showing the Admissions from each County the last and previous years.

			1853.	Previously.	Total.
Barnstable,	·	·	Males, 4		
"	·	·	Females, 2—	6	109
Berkshire,	·	·	Males, 5		
"	·	·	Females, 5—	10	134
Bristol,	·	·	Males, 11		
"	·	·	Females, 6—	17	258
Dukes,	·	·	Males, 1		
"	·	·	Females, 0—	1	16
Essex,	·	·	Males, 8		
"	·	·	Females, 13—	21	514
Franklin,	·	·	Males, 2		
"	·	·	Females, 0—	2	100
Hampden,	·	·	Males, 10		
"	·	·	Females, 15—	21	211
Hampshire,	·	·	Males, 4		
"	·	·	Females, 3—	7	174
Middlesex,	·	·	Males, 7		
"	·	·	Females, 15—	22	502
Nantucket,	·	·	Males, 1		
"	·	·	Females, 0—	1	29
Norfolk,	·	·	Males, 15		
"	·	·	Females, 18—	33	508
Plymouth,	·	·	Males, 12		
"	·	·	Females, 7—	19	198
Suffolk,	·	·	Males, 19		
"	·	·	Females, 36—	55	409
Worcester,	·	·	Males, 37		
"	·	·	Females, 32—	69	998
Other States,	·	·	Males, 0		
"	·	·	Females, 0—	0	10
				288	4,170
					4,458

When the Second Hospital for the Insane, at Taunton, shall be opened for the reception of patients, we expect to be relieved of some of our surplus population. There are, in this hospital, about one hundred for whose support towns and individuals are liable, from the Cape counties including Norfolk and Suffolk. If they should be removed, and all commitments from that section of the State, be diverted from this hospital to that, this institution would probably be relieved of its crowded state for a few years. One hundred and thirty-two patients were sent to us, from those counties, the past year. We suppose we can, with propriety, send back to towns a few who could be made comfortable and taken proper care of in the new State Almshouses, when they shall be finished, and thereby be relieved of some of the more harmless and incurable State paupers.

TABLE 2.

Showing the Admissions and State of the Hospital, from Dec. 1st, 1852, to Nov. 30th, 1853.

Patients in the Hospital, December 1st, 1852,	532	Committed by Overseers of the Poor,	47
Males,	264	Males,	23
Females,	268	Females,	24
Patients admitted in the course of the year,	288	Private Boarders on bonds,	0
Males,	136	Males,	0
Females,	152	Females,	0
Whole number in the Hospital in the course of the year,	820	Foreigners and those who have no legal residence in this State, admitted during the year,	106
Males,	400	Males,	37
Females,	420	Females,	69
Patients remaining in the Hospital, November 30th, 1853,	520	Foreigners discharged during the year,	117
Males,	266	Males,	39
Females,	254	Females,	78
Of the admissions, there were cases of less duration than one year,	132	Foreigners remaining in the Hospital at the end of the year,	216
Males,	55	Males,	104
Females,	77	Females,	122
Of the admissions, there were cases of one year or more,	60	State Paupers remaining in the Hospital at the end of each year, as near as they can be ascertained:—	
Males,	35		
Females,	25		
Cases the duration of whose insanity before admission not ascertained,	96		
Males,	46		
Females,	50		
Patients committed by Courts,	241		
Males,	113		
Females,	128		
			No.
		1842,	34
		1843,	38
		1844,	38
		1845,	57
		1846,	52
		1847,	121
		1848,	150
		1849,	167
		1850,	181
		1851,	208
		1852,	241
		1853,	216

The number of admissions is much less than it would have been, had we not declined all except those ordered here by the

courts, and sent to us by the Overseers of the Poor of towns. We have advised several applicants to seek admittance to institutions in neighboring States.

Foreigners admitted, were one hundred and six, and discharged, one hundred and seventeen. They would have accumulated here, had you not removed thirty-one to make more room for those patients that remained.

By a continuation of this table, which was suggested by one extensively engaged in statistics, we see that the Irish part of the foreigners have accumulated one hundred and fifteen in the last eight years, which is as far back as they could, with certainty, be traced. Most of the foreigners are Irish; the others are from the other States of this Union, the British Provinces and several of the European countries. The Irish are almost invariably State paupers. Only three instances have come to my knowledge, of their bills, or any part of their bills, having been paid by themselves or by their friends.

There remains in the hospital, Irish males,	61
" " " females,	79
Total,	140

CONTINUATION OF TABLE 2.

Irish.

TABLE 3.

Showing the Number of Discharges and Deaths, and the Condition of those who left the Hospital, from December 1st, 1853, to November 30th, 1853.

	Whole No. each sex.	Total.	Recovered.	Improved		Incurable and harmless		Incurable and dangerous.		Deaths.		Total
				Each sex.	Total.	Each sex.	Total.	Each sex.	Total.	Each sex.	Total.	
Patients discharged, . . .	300	145		36	41		37		41			
Males,	133	65	20	20	8		20		133			
Females,	167	80	16	21	29		21		167			
Recent cases—less than one year—discharged,	121	101		6	5					9		
Males,	57	45	3	3						6		57
Females,	64	56	3	2						3		64
Chronic cases—one year or more—discharged,	142	34		28	33		21		26			
Males,	71	17	17	16	8		13		71			
Females,	71	17	11	17	13		13		71			
Patients discharged, the duration of whose insanity not ascertained,	37	10		2	3		16		6			
Males,	5	3	0	1	0		1		5			5
Females,	32	7	2	2	16		5		32			
	300	145		36	41		37		41			

TABLE 4.

Showing the Number of Admissions and Discharges, and the Average Number in the Hospital each month in the year.

	Monthly Average.	Admissions.	Discharges.
December, 1852,	525	23	29
January, 1853,	525	20	17
February, "	531	24	22
March, "	539	29	18
April, "	545	30	20
May, "	556	29	20
June, "	561	30	35
July, "	554	20	25
August, "	540	18	42
September, "	524	25	30
October, "	524	18	20
November, "	520	22	23
Average number for the year,	537		

Our average number, and our crowded state, has been greater the past year than ever before. This state of things was suffered to be so only because there was no provision at all suitable for them anywhere else. But when our number arose up to five hundred and sixty-seven, you felt compelled to order back a few to what seemed the only places they could go; and, from every place any were sent to, you are aware that remonstrance, strong and beseeching, came back to us to send them no more, and of their inability to take proper care of them in their unsuitable accommodations.

As soon as provision elsewhere can be made, the number here should be reduced to four hundred or less. The accommodations here were not designed for so large a number as four hundred. There are many objections to crowding an institution of this kind. It diminishes its remedial power; it adds greatly to the difficulty of conducting it, and increases vastly its liability to accidents, which are avoided in the best ordered establishments only by unceasing vigilance. Crowding together the violent insane is only provoking constant warfare between them. Few, I apprehend, would be found willing to be responsible for such a state of things long, or indeed be able to endure it.

Statistics of the different Seasons.

TABLE 6.

Showing the whole number of Residents during the year, the average number each year, the number at the end of each year, and the expense of each of the twenty-one years the Hospital has been in operation.

The Year.	Whole No. of Residents during the year.	Average No. each year.	No. at the end of each year.	Current Expenses each year.	Annual Expense per Patient.
1833	153	107	114	\$12,272 91	\$114 67
1834	233	117	118	15,840 27	135 38
1835	241	120	119	16,576 44	137 30
1836	245	127	138	21,395 28	168 44
1837	306	163	185	26,027 07	159 64
1838	362	211	218	28,739 40	136 20
1839	397	223	229	29,474 41	132 16
1840	391	229	236	27,844 98	121 59
1841	399	233	232	28,847 62	123 81
1842	430	238	238	27,546 87	111 12
1843	458	244	255	27,914 12	114 40
1844	491	261	263	29,278 75	112 17
1845	556	316	360	43,888 65	138 88
1846	637	359	367	39,870 37	111 06
1847	607	377	394	39,444 47	104 62
1848	655	404	409	42,860 05	106 09
1849	682	420	429	40,870 86	97 31
1850	670	440	441	46,776 13	106 40
1851	704	462	466	52,485 33	112 61
1852	775	515	532	43,878 35	85 20
1853	820	537	520	53,636 66	103 14

The annual expenses of the hospital are materially affected by expenditures for extraordinary improvements, and by the rise or fall of supplies. Much has been done, the past year, to put in good condition the buildings and the fences. The centre building—the north wing—the south wing and the south Johonnots, have been painted on the outside. The south Johonnot, the south centre and the upper story of the south L, have been painted on the inside. Zinc was used instead of lead for all inside work, and for outside of the Johonnot wing, the roof of office, laundry, the wood and iron fences.

The iron fence erected on the bank wall, in front of the hospital, is of cast iron pales three and a half feet long, passing through wrought iron bars seven-eighths of an inch thick, and

two inches wide, and weighs twenty-four pounds to the foot. It is fastened to the wall on cast iron saddles, two and a half inches high, and braced on the back side, to the wall, with wrought iron rods. This fence cost \$1.75 per foot. It is 899 feet long.

The fence each side of the steps running up to the hospital, is similar. It is 360 feet long. It stands on stone posts, and weighs 36 pounds to the foot. It cost \$2 per foot. The four large cast iron posts in this fence cost \$6 each, and the eight small ones \$4.50 each. The whole expense was \$2,321.75, not including the arch over the steps. It is painted dark green.

The fence around the east garden is about finished. It is 1,784 feet long. It stands on 223 stone posts. They are 8 feet long, 9 inches square, and set 4 feet in the ground, and 8 feet apart. Two rails 2 by 8 inches, of the best Canada pine, held by iron bolts to the posts, sustain the pickets, which are 6 feet long, 2 inches wide by $1\frac{1}{2}$ inches thick. The pickets are nailed on to the rails half an inch apart, with four nails each. The wood-work was all painted before being put together. The posts cost set, ironed for the rails, \$2 each. The whole fence would have cost, per foot, about \$1, had not three of our patients mostly prepared the wood part of it and put it together. Mr. Ball, the surveyor, fixed the grade on Central and Mulberry Streets, and on the adjoining owners. It stands wholly on the hospital land, because one of the adjoining owners, Mr. Joel Fletcher, forbid the erection between his land and the State's, of a fence in uniformity in height with all the rest around the garden. He consented that we might build the fence on the line, 6 feet high, on the grade that it now stands, by his house, about half way across his lot, and then he required that it be at least half of a foot less in height. This fence stands wholly on the hospital land. We were careful that neither the superstructure nor the substructure of it, should encroach upon the land of any highway or neighbor.

The gravel for grading up for this fence, besides the old stone wall which was buried, and the gravel for filling Mulberry Street, was taken from the knoll in the south garden. About 2,500 cart loads of it was moved for these purposes.

A very handsome summer house or arbor was erected in front of the north portico, 18 feet in diameter and 33 feet high, after a design of E. Boyden, Esq. It cost \$555.

A flagging of Bolton stone from Connecticut, 7 feet wide and $28\frac{1}{2}$ long, has been placed by the front door.

Besides the above, about the usual amount has been expended for the ordinary improvements and repairs. From present indications it is presumed, that the current expenses of the present year will be greatly enhanced by the great rise in most kinds of provisions, and by the increase of wages of those employed. It can hardly be expected that the income will be equal to the necessary expenditures; for, while the price of board of patients is very low, and while the number of patients is probably to be lessened, by being transferred to Taunton, the price of supplies has not been so high for many years.

TABLE 7.

Showing the Causes of Insanity as affecting persons pursuing different occupations.

		Intemperance.	In health.	Masturbation.	Domestic affliction.	Religion.	Property.	Disappointed affection.	Epilepsy.	Jealousy.	Total.
Farmers,	.	75	24	34	30	31	31	6	11	3	255
Laborers,	.	95	15	20	9	12	9	5	12	2	179
Seamen,	.	34	9	9	3	8	7	1	1	3	75
Merchants,	.	15	6	32	5	5	23	1	3	3	90
Carpenters,	.	20	8	10	4	11	8	4	2	2	67
Shoemakers,	.	13	14	39	9	11	9	2	1	1	98
Blacksmiths,	.	4	1	2	1	2	4	3	1	1	18
Students,	.	1	4	24	2	3	1	1	2	1	35
Clergymen,	.	1	2	4	1	1	1	1	1	1	10
Lawyers,	.	2	1	2	1	1	1	1	1	1	6
Physicians,	.	2	1	1	1	1	1	1	1	1	4
Painters,	.	2	1	11	2	1	1	1	1	1	20
Manufacturers,	.	10	3	5	2	7	5	2	1	1	34

TABLE 8.

Showing the Causes of Insanity, and the circumstances connected with the causes and predisposition to insanity the last and previous years.

	1853.	Previously.
Ill health,	21	558
Intemperance,	6	370
Domestic affliction,	9	344
Religion,	13	264
Masturbation,	11	197
Property,	5	187
Disappointed affection,	5	104
Disappointed ambition,	—	39
Epilepsy,	6	113
Puerperal,	8	129
Wounds on the head,	—	51
Hard labor,	4	56
Jealousy,	—	18
Fright,	2	28
Palsy,	1	35
Periodical cases,	51	835
Hereditary cases,	41	961
Homicidal cases,	29	154
Have committed homicide,	2	23
Suicidal cases,	49	387
Have committed suicide,	—	19
Cases arising from physical causes,	59	1,516
Cases arising from moral causes,	42	1,030

TABLE 9.

Previous Occupation of Patients, where it was known.

		1853.	Previously.
Farmers,		18	421
Laborers,		14	331
Merchants,		1	130
Shoemakers,		15	147
Seamen,		7	122
Carpenters,		3	109
Manufacturers,		9	80
Teachers,		1	53
Students,		1	48
Blacksmiths,		2	32
Machinists,		1	6
Painters,		1	29
Tailors,		—	19
Clergymen,		—	19
Lawyers,		—	8
Physicians,		1	9
Females accustomed to active employment,		23	835
Females accustomed to sedentary employment,		7	293

TABLE 10.

Showing the Duration of Insanity, the Ages and Civil State when admitted, the last and previous years.

	1833.	1834.	1835.	1836.	1837.	1838.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.	1850.	1851.	1852.	1853.
Duration of Insanity before admission:—																					
Less than 1 year,	41	56	48	54	72	82	84	75	81	106	129	127	156	167	157	142	159	146	148	176	132
From 1 to less than 5 years,	27	29	37	37	58	50	63	56	52	58	62	68	89	50	41	79	59	58	61	40	10
“ 5 “ 10 “	27	14	15	13	14	16	18	15	12	13	15	12	10	18	16	22	20	11	6	7	4
“ 10 “ 20 “	31	6	5	11	14	8	10	10	10	10	5	7	19	15	15	13	12	9	12	2	2
“ 20 “ 30 “	12	4	—	2	4	7	1	1	3	4	5	1	5	5	5	4	6	3	2	1	2
“ 30 and upwards,	—	1	2	2	1	2	1	2	1	—	4	1	3	—	1	3	—	3	1	1	2
Unknown,	12	8	3	2	5	6	7	6	13	12	1	4	7	5	11	19	20	15	16	11	98
	153	119	113	125	168	177	179	162	163	198	220	236	293	277	240	261	273	241	263	309	288
Duration of Insanity with those remaining in the Hospital at the end of each year:—																					
Less than 1 year,	26	22	21	11	29	28	34	28	32	40	45	51	63	70	76	38	52	38	50	81	51
From 1 to less than 5 years,	23	25	22	39	51	65	69	75	74	89	84	84	128	107	134	164	153	174	162	146	153
“ 5 “ 10 “	20	24	34	35	38	44	44	52	53	38	55	45	63	69	73	91	97	91	97	99	99
“ 10 “ 20 “	28	24	29	35	41	41	52	52	45	37	52	49	66	60	61	68	72	79	103	103	84
“ 20 “ 30 “	7	5	3	7	11	18	14	13	15	18	19	14	18	19	15	20	22	23	25	29	19
“ 30 and upwards,	—	2	2	4	2	3	4	5	4	6	4	7	7	8	10	14	14	10	8	7	8
Unknown,	8	16	6	9	13	19	12	11	9	10	6	13	15	30	29	24	32	27	51	69	106
	114	118	119	138	185	218	229	236	232	238	255	263	360	367	394	409	429	441	466	532	520

TABLE 10—(CONTINUED.)

	1833.	1834.	1835.	1836.	1837.	1838.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.	1850.	1851.	1852.	1853.
Ages of patients when admitted:																					
Under 20 years,	2	12	4	11	13	17	10	14	15	14	12	24	20	18	16	12	22	26	20	26	20
From 20 to less than 30 years,	34	33	23	31	36	32	51	47	46	49	50	35	35	46	48	64	75	69	76	88	76
“ 30 “ 40 “	46	46	31	31	28	31	32	30	31	30	34	31	39	43	46	62	63	61	83	76	76
“ 40 “ 50 “	35	31	50	50	60	13	14	13	13	20	21	19	24	38	38	42	59	45	59	61	53
“ 50 “ 60 “	14	8	17	17	17	12	12	12	13	13	14	6	9	12	11	12	31	32	28	39	39
“ 60 “ 70 “	5	5	3	3	3	7	2	2	2	2	5	1	1	2	1	1	14	17	10	14	16
“ 70 “ 80 “	17	17	17	17	17	17	17	17	17	17	17	8	8	8	8	7	2	4	3	7	8
“ 80 and upwards,	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	—
	153	119	113	125	168	177	179	162	163	198	220	236	293	277	240	261	273	241	263	309	288
Civil state of patients when admitted: —																					
Single,	92	71	52	68	94	101	80	75	71	63	76	103	102	105	121	125	120	116	123	144	126
Married,	38	40	46	49	61	65	75	75	75	75	71	12	17	17	16	14	14	17	11	11	130
Widows,	12	4	8	6	11	5	17	12	13	12	12	5	2	3	3	7	12	12	20	18	18
Widowers,	4	4	7	2	4	7	6	7	4	5	4	2	8	3	7	7	1	5	2	3	5
Unknown,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	—	9	8
	153	119	113	125	168	177	179	162	163	198	220	236	293	277	240	261	273	241	263	309	288

TABLE 11.

Ages of Patients in the Hospital, Dec. 1, 1853.		Duration of Insanity with those remaining in the Hospital, Dec. 1st, 1853.	
Under 10 years old,	0	Less than 1 year insane,	51
From 10 to 15 years,	3	From 1 to 2 years insane,	53
" 15 " 20 "	9	" 2 " 5 "	100
" 20 " 25 "	37	" 5 " 10 "	99
" 25 " 30 "	75	" 10 " 15 "	57
" 30 " 35 "	96	" 15 " 20 "	27
" 35 " 40 "	73	" 20 " 25 "	12
" 40 " 45 "	64	" 25 " 30 "	7
" 45 " 50 "	51	Over 30,	8
" 50 " 55 "	37	Unknown,	106
" 55 " 60 "	28		
" 60 " 65 "	16		
" 65 " 70 "	14		
" 70 " 75 "	7		
" 75 " 80 "	9		
Over 80,	1		
		520	

TABLE 12.

Statistics of the Hospital from January 18th, 1833, to December 1st, 1853.

1833.	1834.	1835.	1836.	1837.	1838.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.	1850.	1851.	1852.	1853.	
Whole No. patients admitted,	153	119	113	125	168	177	179	162	163	198	220	236	293	277	240	261	273	241	263	309	288
Whole No. discharged,	39	115	52	58	69	76	80	82	88	116	191	203	228	196	270	213	246	253	229	243	300
Discharged recovered,	25	64	22	23	24	29	36	32	25	40	124	122	154	125	125	111	103	111	103	145	145
Discharged improved,	7	7	20	28	20	28	27	29	37	66	33	49	25	25	31	23	32	26	38	34	36
Discharged not improved,	2	2	9	9	16	22	15	12	12	15	22	12	24	47	57	48	52	32	50	61	78
Died,	4	8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Eloped,	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Whole No. in the Hospital in the course of the year,	153	233	241	245	306	362	397	391	399	430	458	491	556	637	607	655	682	704	775	820	820
No. remaining at the end of each year,	114	118	119	138	185	218	229	236	238	255	263	360	367	394	409	429	441	466	532	520	520
Males admitted,	96	68	57	66	94	96	80	75	73	107	111	109	164	138	105	128	134	129	125	148	136
Females admitted,	57	51	62	59	74	81	99	87	90	91	109	127	129	139	135	133	139	112	138	161	152
Males discharged,	19	58	57	56	65	74	66	59	71	96	92	108	100	128	116	120	131	120	111	126	133
Females discharged,	15	48	46	41	47	54	80	81	84	83	89	105	96	142	97	126	122	109	127	117	167
Males died,	3	5	4	6	6	10	14	9	7	3	8	9	15	20	18	15	19	13	20	20	20
Females died,	1	3	2	4	2	3	6	5	9	14	6	9	18	12	15	18	28	26	25	21	21
Sent in by Courts,	109	55	90	117	129	123	129	123	123	106	110	157	152	158	167	143	135	166	206	194	184
Private boarders,	44	64	23	8	39	54	56	53	41	68	78	126	126	134	105	95	67	70	60	56	55
Males recovered,	13	33	27	32	37	45	32	28	37	44	53	64	72	48	63	82	55	68	65	65	65
Females recovered,	12	31	25	26	32	31	48	45	45	44	45	48	54	44	44	316	359	377	404	420	462
Average No. in the Hospital,	107	117	120	127	163	211	223	229	233	238	244	261	316	359	377	404	420	440	462	515	520

TABLE 13.

Diseases that have proved Fatal.

		1853.	Previously.
Marasmus,		7	71
Apoplexy and Palsy,		1	52
Consumption,		8	50
Epilepsy,		—	45
Disease of the Heart,		1	19
Suicide,		—	19
Disease of the Brain,		—	20
Typhus Fever,		—	11
Lung Fever,		4	14
Hemorrhage,		—	6
Dysenteric Fever,		—	9
Cholera Morbus,		—	4
Inflammation of the Bowels,		—	8
Mortification of the Limbs,		—	3
Dropsey,		1	7
Chronic Dysentery,		—	4
Erysipelas,		—	15
Diarrhœa,		1	17
Disease of the Brain from Intemperance,		—	3
Bronchitis,		—	3
Old Age,		1	12
Gastric Fever,		—	5
Land Scurvy,		—	1
Congestive Fever,		—	2
Concussion of the Brain,		—	1
Disease of the Bladder,		—	1
Fright,		—	1
Rupture,		—	1
Maniacal Exhaustion,		14	35
Convulsions,		—	2
Cholera,		—	4
Asthma,		—	1
Hydrothorax,		2	1
Cancer,		—	1
Pleurisy,		—	1
Jaundice,		—	1
Chorea,		1	—
		41	450

There has been but very little of acute disease of any form, in this hospital the past year. From bowel complaints, which so often prevail in hospitals in the warm season, we have been

remarkably exempt. Notwithstanding our great freedom from acute disease, we are often reminded that we are mortal. Insanity is, not unfrequently, only one of the symptoms of the breaking down of the constitution—one symptom of a fatal disease. It is an accompaniment of the last stages of consumption, of marasmus, of palsy and of epilepsy—all of them almost necessarily lead to a fatal termination. But few of the patients are blessed with the robust health of the laboring parts of the community. Most of them are suffering from disease of some organ of the body or part of the system. Ill health is indeed one of the most prolific sources of insanity; and, in many, traces of it are distinctly visible while the mind is insane, even unto the end of life. Diseases of the digestive organs, and of the nervous system, afflict many, and yet a majority of the patients enjoy very comfortable physical existence. They eat fully and sleep soundly.

As usual, there have been several deaths from consumption and marasmus. Cases of this kind are usually brought to the hospital with the fatal disease upon them. The most we can do for such, is to relieve them of a part of their burdens, and smooth their downward path to the grave.

There have been fourteen deaths from maniacal exhaustion—a disease peculiar to insanity. Great and long continued muscular effort, accompanied with high mental excitement or delirium, and the want of sleep, characterize this form of disease. Unless the patient can be induced to take nourishment somewhat in proportion to efforts made, exhaustion soon supervenes. There is often an aversion to, and a loathing of food in these cases. We have to deplore the loss, the past year, of valuable members of society from this cause. Some chronic cases, that are periodically excited, wear themselves out in a paroxysm of violence.

Three men of three score years and ten, died of dropsy of the chest, complicated with other diseases; one of whom was Ezra Holmes, after a residence in this hospital of more than twenty years. He was a homicide, and his wife, whom he always said was kind and affectionate to him, fell by his hand, just after he had drank a glass of wine she had given, with the blessing, "Come, let us drink and forget our sorrow, and remember our poverty no more!" "In a moment, the idea," as

he afterwards feelingly related, “ of Sampson and the weaver’s beam,” rushed into his mind, and he seized a weapon and gave her a fatal blow. He had been insane some years previous, with a species of religious fanaticism.

TABLE 14.

Showing the Average Age at which patients were taken deranged, the average time of their derangement before and after coming to this Hospital, and their average age at the time of their death in this Hospital.

	Years.	Months.	Days.
The average age at which 201 males were taken deranged,	42	8	10
The average age at which 205 females were taken deranged,	39	1	10
The average age at which the 406 of both sexes were taken deranged,	40	11	1
The average time the 201 males were insane before coming to the Hospital,	4	2	9
The average time they lived afterwards,	1	9	24
	6	0	3
The average time the 205 females were insane before coming to the Hospital,	3	3	6
The average time they lived afterwards,	1	7	29
	4	11	5
The average age the 201 males were when they died,	48	8	13
The average age the 205 females were when they died,	44	0	15
The duration of life of the 406 of both sexes after becoming insane,	5	5	20

From this collection of fatal cases, we see the prospects of a continuance of life are in favor of the male over the female, both in escaping this fearful malady to a later day, and in resisting its fatal inroads upon life after its attack. While the male arrives at nearly the age of 43 years, the female is over-

taken soon after she passes the age of 39; and, while the male is able to resist its ravages over six years, the female succumbs in less than five years. The average age of the 201 males embraced in this table, when they died, was 48 years, 8 months and 13 days, while that of the 205 females was 44 years and 15 days.

The chance of life, for persons in health at corresponding periods, as calculated and acted upon by life insurance companies, is four times greater than is here exhibited, for the male, and more than five times greater for the female. This shows, pretty conclusively, that insanity, when not recovered from, tends to shorten life.

TABLE 15.
Per Cent.

	1833.	1834.	1835.	1836.	1837.	1838.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.	1850.	1851.	1852.	1853.	
Per cent. of recovery of recent cases,	—	82	82	84	89	90	91	91	91	91	90	88	93	89 $\frac{1}{2}$	79	72	86	84	87	82	77	83
Per cent. of recovery of all discharged,	—	54	46	53	57	52	47	53	49	46	59	54	62 $\frac{1}{2}$	57	49	55	54	54	46	42	46	24
Per cent. of recovery of old cases,	—	20	18	19	25	15	17	22	21	16	29	24	31 $\frac{1}{2}$	28	17	19	21	18	18	17	18	7
Per cent. of the admissions of the most prominent causes each year:—																						
Ill health,	8	18	21	22	21	28	27	25	23	18	16	13	15	13	11	17	18	18	17	18	9	7
Religious,	9	6	7	7	6	9	5	4	4	9	10	10	13	9	7	14	11	10	12	11	11	4
The affections,	14	12	17	16	16	15	25	17	13	15	6	5	5	6	3	3	3	2	2	2	2	2
Property,	7	11	9	6	6	6	10	10	12	14	8	7	6	8	10	10	10	10	10	10	10	10
Intemperance,	25	24	23	15	15	16	21	16	16	12	12	12	12	12	12	12	12	12	12	12	12	12
Masturbation,	6	7	7	6	5	6	6	7	6	6	6	4	3	2	3	2	2	2	2	2	2	4
Per cent. of deaths of all in the Hospital each year,	2.61	3.43	3.31	3.26	2.94	4.42	5.53	3.83	3.	2.79	4.8	3.05	4.31	5.96	4.94	4.58	5.42	8.5	5.53	5.81	5.	
Per cent. of deaths of average No. of residents each year,	3.7	6.8	6.66	6.3	5.5	7.58	9.86	6.55	5.15	5.	9.	5.74	7.59	10.55	7.95	7.92	9.	12.95	8.	8.73	7.88	

The general law, that action is necessary for the healthy condition of the mental and physical functions of the body, applies with equal force to the great majority of the insane as well as to the sane. For the growth and full development of any of these functions, well-directed exercise and efforts are essential, and constant use of them is absolutely necessary to prevent their premature decay. For the insane, after the acute stage of their disease has passed, labor or amusement greatly promotes their recovery and happiness too. When not too violent, it promotes the health of the body by increasing the appetite and the powers of digestion; it relieves the nervous system of its irritability, prepares the body for quiet repose at night, and furnishes objects for the mind to dwell upon away from its peculiar delusions. He who works or plays must pay some attention to his occupation, and in so doing, his thoughts are, for the time, diverted from the disordered channel.

Amusements, of various kinds, have been introduced, and are in constant requisition among our patients. But still, the great want of stimulus to action is a serious evil, and one not easily remedied. Many of the insane are inclined to stand or sit about our wards, listlessly dreaming over their insane fancies. We encourage and urge their engaging in some kind of employment, whether of profit or not. Such amusements as require of those that engage in them, action of the body and limbs, are better than the sedentary ones, for they directly promote the health of the body as well as the health of the mind. But chess, cards, and the magic lantern are better than nothing. Our library shows much hard use, and is daily resorted to by many who read with interest and intelligence. About seventy-five dollars are annually expended, to replenish it with miscellaneous books.

It is our rule to get out daily, all whose state of mind does not forbid it, into the open air. The males walk out in parties with their attendants, over the hills. The feeble men are carried to ride. The females have a carriage devoted to their entire use, and they also walk out in parties with their nurses. Some walk the streets unrestrained, except by their word of honor. The music, dancing and working parties are continued, as they have been for years.

Many newspapers are daily placed in the hands of our pa-

tients, but not as many as would be useful, or as is desirable. There is hardly a paper or periodical published in this State, but what would find in our family, more than one reader locally interested in its perusal. The following are sent to the hospital by their publishers, gratuitously, for which they have the thanks of our great family :—The Daily Advertiser, Evening Gazette, Olive Branch, Puritan Recorder, Christian Witness and Church Advocate, Christian Watchman and Reflect- or, Youth's Companion, Monthly Religious Magazine, Zion's Herald, New England Farmer, The American Patriot, and Observer, from Boston ; Register, Essex County Gazette, and Advertiser, from Salem ; Lynn News, from Lynn ; Old Colony Memorial, from Plymouth ; Assistant of the Ministry at Large, from Roxbury ; Gospel Messenger, from Utica, N. Y. ; Cour- ant, from Clinton ; Ægis, Spy, Palladium, and Transcript, from Worcester ; Democrat, from Taunton ; Chronicle, from Cam- bridge.

We have received, for the use of the inmates, from Hon. Charles Allen—Annual Message and accompanying Docu- ments, 1851—2. Part 3d. Patent Office Report, 1851, Ag- ricultural. Abstract of the Seventh Census. Congressional Globe, Vol. 24. Part 1, 2, and 3, First Session 32d Con- gress. Appendix to Congressional Globe, Vol. 25.

From the Hon. John Davis—The Annual Message and ac- companying Documents, 1852—3. Part 2d. Patent Office Report, 1851—2, Mechanical. Annual Message and accom- panying Documents—1852—3. Part 1st.

From Hon. I. McNaer—Espy's Report on Meteorology.

From Rev. S. C. Jackson—General Laws and Resolves of Massachusetts. Documents and Pamphlets.

From Miss Dix—A large roll of prints.

From one who has sent us many favors—The Proceedings of the Constitutional Convention, 1853, of Massachusetts.

From Signor Blitz—An hour and a half of most acceptable entertainment in our Chapel, in his peculiar and inimitable style, at which some three hundred of our patients were pres- ent.

The daily labor performed about this establishment, by the patients, amounts to very considerable. They mix with the attendants and assistants, in all the departments of business,

and render essential service. The fields, the gardens, the workshops, the kitchens, the laundry, and the wards, give employment to many. The results of their labor, in part, is added, as estimated by the steward. Most of the crops of the farm and gardens were abundant and profitable for the labor bestowed.

Apples,	40 barrels, at \$1.75,	.. .	\$70 00
Beans, dry,	4½ bushels " 1.75,	.. .	7 87
Beets,	156 " " 25,	.. .	39 00
Cabbage heads,	2,100 " " 5,	.. .	105 00
Corn, sweet in ears,	60 " " 50,	.. .	30 00
Cherries,	20 " " 2.00,	.. .	40 00
Cucumbers,	175 " " 50,	.. .	87 50
Turnips,	285 " " 25,	.. .	71 25
Parsnips,	75 " " 50,	.. .	37 50
Onions,	75 " " 50,	.. .	37 50
Milk,	43,750 quarts "	3½, .. .	1,531 25
Beef, 10 beeves,	7,667 pounds, "	7, .. .	536 69
Pork, 24 hogs,	7,244 " " 8,	.. .	579 52
Poultry,	180 " " 10,	.. .	18 00
			<hr/>
			\$3,191 08

And for wintering the present stock of four horses, one yoke of oxen, twenty-five cows, one heifer and one calf, there was cut on the farm:—

Hay,	48 tons, at \$15.00,	\$720 00
Rowen,	5 " " 12.00,	60 00
Corn-fodder,	30 00
			<hr/>
			\$810 00

And raised in the garden:—

Carrots, 1,845 bushels, at 30 cents,	556 00
		<hr/>
Total,	.. .	\$1,366 50

The religious services have been ably conducted by the Rev. Mr. Allen, who has, for more than thirteen years, sustained the relation of chaplain to this hospital. He has a very constant audience of about 350, with their attendants, and, usually, a few strangers, who make up the congregation on the Sabbath. But few worshippers demean themselves with more propriety and decorum than our patients. They listen, with much apparent satisfaction and interest, to the expounded word. The chaplain has been singularly judicious in conducting these exercises, and made them appropriate to the place and to his hearers. While he has been acceptable to most, if not all, he has offended none. He has been kind, courteous and urbane to all.

On the first of October last, Dr. John R. Lee, who has, for more than eleven years, performed the duties of Assistant Physician, resigned his office, and started on a tour of Europe and Asia. He was a skilful physician, a pleasant associate, and conscientious in the discharge of every duty. He endeared himself to the patients under his immediate charge, and, as a testimony of their regard for him, raised money and procured a likeness of him to hang in one of their wards.

To my associates in the various departments of this hospital I feel under great obligations, for the prompt and faithful manner in which they have discharged their several responsible, and often arduous, duties.

Most respectfully,

Your obedient servant,

GEORGE CHANDLER.

STATE LUNATIC HOSPITAL, }
Worcester, Dec. 2, 1853. }

DECEMBER, 1852.—METEOROLOGICAL OBSERVATIONS made at the State Lunatic Hospital, Worcester, Mass.,
Lat. $42^{\circ} 16' 17''$, Long. $71^{\circ} 48' 13''$.—Elevation 536 feet.

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STATE LUNATIC HOSPITAL.

[Jan.

Days Moonth Mean of the Month	THERMOMETER.				PSYCHROMETER.				CLOUDS.				WIND.				RAIN AND SNOW.				REMARKS.		
	Corrected and reduced to 32°.				Saturated air = 100.				10 = quite covered.				Direction and force. 10 = hurricane.				Hour end Hour begin						
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.			
1	34	44	32	36.6	29.653	29.710	29.789	78	60	63	4	3	0	S. W.	S. W.	S. W.	—	—	—	—	—		
2	27	49	33	36.3	29.763	29.754	29.794	79	44	81	0	0	0	do	N. W.	N. W.	—	—	—	—	—		
3	30	47	40	39	29.790	29.700	29.727	80	52	83	1	6	10	10	N. W.	S. W.	N. W.	—	—	—	—		
4	41	46	41	43.6	29.467	29.218	29.229	94	100	100	10	10	10	N. E.	N. E.	N. E.	5½ a m	5 p m	.34	—	Rain.		
5	41	47	45	45	29.138	29.006	29.129	100	94	59	10	10	0	do	1	do	N. W.	—	.09	—	Aurora 9 p.m. mod.		
6	42	50.5	42.5	45	29.809	29.496	29.384	56	64	85	0	3	0	N. W.	N. W.	N. W.	do	—	—	—	Rain.		
7	44	57	48	49.6	29.388	29.308	29.301	81	60	100	10	0	10	S. W.	S. W.	S. W.	1½ a m	4¾ a m	.51	—	Rain.		
8	54	53.5	41	49.5	29.089	29.356	29.354	79	48	69	3	0	0	do	W.	N. W.	1½ a m	—	—	—	Fog.		
9	39	49	43	40.6	29.473	29.451	29.401	92	69	56	4	10	10	N. W.	N. W.	N. W.	—	—	—	—	Rain.		
10	40	51	41	44	29.336	29.356	29.384	46	70	84	10	10	10	N. W.	N. W.	N. W.	—	—	—	—	Rain.		
11	33	33	34	33.3	29.120	28.948	28.876	100	100	100	10	10	10	N. E.	N. E.	N. E.	—	—	—	—	Snow.		
12	31	38	31	33.3	29.168	28.763	29.477	100	36	—	0	0	0	N. W.	N. W.	N. W.	—	—	—	—	Snow.		
13	25	32	33	30	29.512	29.391	29.287	10	—	10	10	10	10	do	1	S. W.	S. W.	12 m	—	—	—	Snow.	
14	23	26	15	21.3	29.633	29.674	29.800	76	57	69	0	0	0	do	N. W.	N. W.	—	—	—	—	Snow.		
15	11	16	17.3	21.3	29.887	29.877	29.935	67	55	58	10	9	0	N. W.	do	4	12 m	—	—	—	—	Snow.	
16	12	25	22	29	24.3	29.989	29.931	29.838	35	88	0	10	10	S. E.	N. W.	N. W.	—	—	—	—	Rain.		
17	33	35	35	34.3	29.286	28.932	28.876	100	100	100	10	10	10	N. W.	N. W.	N. W.	—	—	—	—	Snow.		
18	26	30	28	28	28.945	29.012	29.206	69	72	67	6	0	10	10	10	10	do	4	12 m	—	—	Snow.	
19	21	23.5	32	28.8	29.452	29.370	29.171	49	63	63	0	10	10	S. W.	S. W.	S. W.	—	—	—	—	Rain and Snow.		
20	40	41	35	38.6	29.057	29.212	29.270	73	93	100	10	10	10	N. W.	N. W.	N. W.	—	—	—	—	Rain.		
21	26	25	19	23.3	29.350	29.422	29.652	100	91	61	10	10	10	S. W.	S. W.	S. W.	—	—	—	—	Rain and Snow.		
22	8	16	12	12	29.897	30.005	29.138	58	29	—	0	0	0	N. W.	N. W.	N. W.	—	—	—	—	Rain and Snow.		
23	14	25	33	24	30.096	29.851	29.092	35	77	100	0	10	10	S. W.	S. W.	S. W.	—	—	—	—	Rain and Snow.		
24	38	51	47	45.3	29.298	29.212	29.278	100	82	100	10	10	10	N. W.	N. W.	N. W.	—	—	—	—	Rain and Snow.		
25	39	41	32	37.3	29.367	29.469	29.537	67	66	63	10	7	7	N. W.	N. W.	N. W.	—	—	—	—	Rain and Snow.		
26	31	42.5	35	36	29.226	29.201	29.454	—	42	74	10	0	0	N. W.	N. W.	N. W.	—	—	—	—	Rain and Snow.		
27	26	32.5	29	29	29.797	29.824	29.704	65	66	92	0	0	0	S. E.	S. E.	S. E.	—	—	—	—	Rain and Snow.		
28	33.5	55	36	41.5	29.216	29.891	29.077	100	100	64	10	10	10	N. W.	N. W.	N. W.	—	5 p m	.79	—	Aurora mod. lunar		
29	31.8	37	32	33.6	29.403	29.483	29.588	34	47	45	2	0	0	S. W.	S. W.	S. E.	—	—	—	—	[halo, 7 p.m.		
30	29	35	38	34	29.680	29.627	29.461	75	67	44	10	10	10	N. W.	N. W.	N. W.	—	—	—	—	Mist. Hail, 5 p.m.		
31	39	26	24	26.6	29.589	29.540	29.477	61	87	76	10	10	10	N. W.	N. W.	N. W.	—	—	—	—	Mist. Hail, 5 p.m.		
Means	30.5	39.5	33	34.2	29.479	29.503	29.412	72.39	66.40	69.35	5.6	6.8	6.2	Amount of Rain and Snow water, 4.78	4.78 in.	S. 4 in.	—	—	—	—	—		

JANUARY, 1853.—METEOROLOGICAL OBSERVATIONS.—*Continued.*)

BAROMETER.		PSYCHROMETER.						RAIN AND SNOW.									
THERMOMETER.		Corrected and reduced to 32°.						Saturated air = 10.									
7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.					
12 Days of Moisture	Moisture	Moisture	Moisture	100	96	92	10	10	10	19	10	8 a.m.	Rain.				
Moisture	Moisture	Moisture	Moisture	80	84	87	0	1	1	N. E. 4	N. W. 4	N. W. 5	Snow.				
Moisture	Moisture	Moisture	Moisture	85	85	70	10	10	10	N. W. 3	N. E. 3	N. E. 4	Snow.				
Moisture	Moisture	Moisture	Moisture	70	55	47	10	0	0	do 6	do 6	do 6	Snow.				
Moisture	Moisture	Moisture	Moisture	24	29.488	29.406	29.404	53	79	0	0	N. W. 4	N. W. 6	Snow.			
Moisture	Moisture	Moisture	Moisture	33	33.3	29.334	29.294	29.449	44	47	79	0	0	S. W. 2	S. E. 2		
Moisture	Moisture	Moisture	Moisture	36	36	32	37.3	29.594	29.294	29.449	47	58	10	0	N. W. 2	S. W. 4	
Moisture	Moisture	Moisture	Moisture	42	46	41	41	29.599	29.421	29.524	48	62	10	0	S. W. 2	N. W. 6	
Moisture	Moisture	Moisture	Moisture	34	34.5	36	37.8	29.626	29.644	29.637	47	75	10	0	N. W. 2	N. W. 6	
Moisture	Moisture	Moisture	Moisture	48	48	34	39.6	29.575	29.582	29.697	83	40	10	1	S. W. 2	N. E. 6	
Moisture	Moisture	Moisture	Moisture	37	37	22	24.1	29.687	29.797	29.648	76	78	10	1	N. W. 2	N. E. 6	
Moisture	Moisture	Moisture	Moisture	24	26.5	22	24.1	29.687	29.797	29.648	76	78	10	1	N. W. 2	N. E. 6	
Moisture	Moisture	Moisture	Moisture	17	17	19	16.6	29.688	29.657	29.630	87	89	10	1	N. W. 2	N. E. 6	
Moisture	Moisture	Moisture	Moisture	28	28	33	28	29.557	29.496	29.462	90	79	10	1	N. W. 2	N. E. 6	
Moisture	Moisture	Moisture	Moisture	35	35	29	31.5	29.391	29.286	29.246	73	74	77	5	N. W. 2	N. E. 6	
Moisture	Moisture	Moisture	Moisture	14	14	19	16.6	29.148	29.102	29.208	39	72	55	8	N. W. 2	N. E. 6	
Moisture	Moisture	Moisture	Moisture	23	23	28	28	29.227	29.255	29.369	66	68	20	0	N. W. 2	N. E. 6	
Moisture	Moisture	Moisture	Moisture	30.5	30.5	29	31.5	29.391	29.286	29.246	73	74	77	10	N. W. 2	N. E. 6	
Moisture	Moisture	Moisture	Moisture	16	16	11	15	10.6	29.148	29.102	29.208	39	59	61	10	N. W. 2	N. E. 6
Moisture	Moisture	Moisture	Moisture	11	11	5	14	12.6	29.227	29.255	29.369	66	68	20	0	N. W. 2	N. E. 6
Moisture	Moisture	Moisture	Moisture	15.5	15.5	18.5	14	12.6	29.227	29.255	29.369	66	68	20	0	N. W. 2	N. E. 6
Moisture	Moisture	Moisture	Moisture	17	17	28	25	24.6	29.371	29.340	29.396	74	57	77	10	N. W. 2	N. E. 6
Moisture	Moisture	Moisture	Moisture	18	19	27	19	21.8	29.439	29.430	29.507	73	75	70	0	N. W. 2	N. E. 6
Moisture	Moisture	Moisture	Moisture	20	18	29	28	25	29.479	29.275	29.241	71	71	67	10	N. W. 2	N. E. 6
Moisture	Moisture	Moisture	Moisture	21	28	34	24	28.6	29.322	29.319	29.401	84	61	69	52	N. W. 2	N. E. 6
Moisture	Moisture	Moisture	Moisture	22	21	38	31	30	29.370	29.269	29.251	49	69	52	1	2	3
Moisture	Moisture	Moisture	Moisture	23	32	34.5	34.5	33.6	29.069	28.636	28.377	63	100	100	10	S. E. 2	N. E. 6
Moisture	Moisture	Moisture	Moisture	24	35	48	34	37.6	28.360	28.479	28.615	100	77	81	10	S. W. 2	S. W. 3
Moisture	Moisture	Moisture	Moisture	25	25	29	27	27	28.923	28.854	28.960	69	52	92	11	0	0
Moisture	Moisture	Moisture	Moisture	26	6.5	15	8.6	8.6	29.221	29.391	29.707	29	44	31	46	S. W. 6	S. W. 4
Moisture	Moisture	Moisture	Moisture	27	0	20	13	11	29.875	29.908	30.040	-	11	0	0	N. W. 2	N. W. 2
Moisture	Moisture	Moisture	Moisture	28	9	24	16	16.3	30.089	30.024	29.980	61	28	31	0	N. W. 2	N. W. 2
Moisture	Moisture	Moisture	Moisture	29	15	29	24.5	24.5	29.842	29.638	29.410	50	78	92	0	0	0
Moisture	Moisture	Moisture	Moisture	30	25.5	38	20	31.1	29.112	29.113	29.290	82	89	0	4	S. W. 2	S. W. 2
Moisture	Moisture	Moisture	Moisture	31	19.5	27.5	23.1	23.1	29.402	29.274	29.554	63	67	0	10	N. W. 4	N. W. 2
Moisture	Moisture	Moisture	Moisture	Means,	21.7	31.2	25.7	25.7	29.399	29.364	29.424	60.04	64.00	64.70	4.8	4.6	4.6

FEBRUARY, 1853.—METEOROLOGICAL OBSERVATIONS.—Continued.

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STATE LUNATIC HOSPITAL.

[Jan.

Days of Month	Phase of Moon	THERMOMETER.				PSYCHROMETER.				CLOUDS.				WIND.				RAIN AND SNOW.				REMARKS.	
		Corrected and reduced to 32°.				Saturated air = 100.				10 = quite covered.				Direction and force. 10 = hurricane.				Hour beginning ended.					
		7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	Hour beginning ended.	Hour beginning ended.	Hour beginning ended.	Hour beginning ended.	Hour beginning ended.	Hour beginning ended.	Hour beginning ended.		
1	2	13	27	37	21	29.813	29.846	29.565	53	50	44	1	0	0	N.W. ⁴	N.W. ³	N.W. ⁶	-	-	-	-	Rain.	
2	3	30	40	48	35	29.852	29.724	29.624	58	76	100	10	10	10	S.W. ⁵	S.E. ²	S.E. ²	8 p.m.	-	-	-	Rain.	
3	4	33	40	40.5	34	40.6	29.571	29.588	29.657	83	78	62	10	10	10	N.W. ⁵	N.W. ⁴	N.W. ⁴	-	-	-	-	Fog, dense. [zing.
4	5	40	45	45	39	37.5	29.675	29.666	29.691	-	77	90	10	10	10	W. ²	W. ²	W. ²	-	-	-	-	Fog, dense. [zing.
5	6	49.5	54	43	43	43.3	29.703	29.647	29.514	93	91	94	10	10	10	S.W.	S.W.	S.W.	5 ¹ ₂ a.m.	-	-	-	Fog, dense. [zing.
6	7	36	36	49.5	43	48.8	29.580	29.391	29.343	86	100	100	10	10	10	S.E.	S.E.	S.E.	1 ¹ ₂ p.m.	-	-	-	Fog, dense. [zing.
7	8	23	23	34	27	28	29.421	29.356	29.387	93	93	-	10	10	10	N.W. ²	N.W. ²	N.W. ³	-	-	-	-	Fog, dense. [zing.
8	9	23	23	31.5	18	24	29.476	29.487	29.436	67	80	67	1	1	0	0	0	0	a.m.	1.80	-	-	R.
9	10	12	28	30	23.3	29.495	29.444	29.572	28	48	42	0	0	0	0	0	0	-	-	-	-	Squalls.	
10	11	30	40	34	34.6	29.538	29.364	29.202	86	75	77	8	6	10	S.W.	S.E.	S.E.	7 ¹ ₂ p.m.	-	-	-	Snow.	
11	12	33	32	19	28	29.119	29.084	29.163	73	62	77	10	4	10	S.W. ⁵	do	do	-	-	-	-	.20	
12	13	15	17	16	16	29.464	29.096	29.098	81	58	61	9	0	0	N.W. ²	N.W. ⁵	N.W. ⁵	-	-	-	-	Snow, $\frac{1}{2}$ inch.	
13	14	18	21.5	14	17.8	29.194	29.284	29.543	33	49	19	0	0	0	N.E.	N.E.	N.E.	do	6	3 ¹ ₂ a.m.	5 ¹ ₂ p.m.	.91	
14	15	-0.5	28	25	17.5	29.780	29.760	29.707	-	70	65	0	9	3	do	5	do	2	do	-	-	1.45	
15	16	30.5	36	41	35.8	29.630	29.437	29.083	66	100	109	10	10	10	S.W.	S.E.	S.E.	7 ¹ ₂ a.m.	-	-	-	Snow, $\frac{1}{2}$ inch. R.	
16	17	29	30.5	22	27.1	29.242	29.354	29.429	52	55	17	0	0	0	N.W. ⁵	N.W. ⁵	N.W. ⁶	-	-	-	-	Lunar halo 1 a.m.	
17	18	14.5	27.5	24	22	29.471	29.385	29.345	24	53	81	6	3	10	do	4	W.	2	S.	W. ⁴	-	-	
18	19	15.5	16.5	11.5	14.5	29.303	29.211	29.052	58	58	20	10	10	10	do	4	N.W. ⁴	N.W. ⁷	-	-	-		
20	21	40	40	25	22.5	29.1	29.035	29.017	29.107	-	32	48	6	6	6	do	5	do	5	do	2	-	
21	22	11	28	21	20	29.328	29.337	29.407	47	55	61	0	1	0	do	4	S.	E.	S.	N.W. ⁴	3 a.m.	6 p.m.	
22	23	21	38	40	33	29.422	29.278	29.217	45	66	72	2	10	10	N.W. ³	N.W. ⁴	N.W. ⁴	-	-	-	-	2.45	
23	24	49.5	49.5	33.5	41.1	28.922	28.555	28.560	100	90	61	3	0	0	do	4	do	3	do	4	-	-	
24	25	23	18.5	28	19.5	23.5	28.734	28.776	29.028	21	30	17	3	4	0	do	3	do	2	-	-	-	
25	26	18.5	16	29	22	23.5	29.155	29.163	29.301	61	52	21	0	1	0	do	4	do	3	do	2	-	-
26	27	18	35	27	23.3	29.371	29.405	29.515	39	52	78	1	0	1	do	1	do	1	do	2	-	-	
27	28	26	29.5	30	28.3	29.638	29.632	29.717	33	72	10	10	10	10	E. 4 N.E.	6	6 a.m.	-	-	-	-	Snow.	
Means.		25.0	29.3	27.7	28.3	29.427	29.399	29.362	54.67	68.50	56.21	5.6	4.9	4.9	4.4	Amount of Rain and Snow water, 6.98	1.11	= 8.09 in.	S. 11 in.				

MARCH, 1853.—METEOROLOGICAL OBSERVATIONS—Continued.

The Days of the Month	Phases of the Moon.	BAROMETER.			PSYCHROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.	
		THERMOMETER.			Saturated air = 100.			10 = quite covered.			Direction and force. 10 = hurricane.			Hour and force. 2 P.M. 9 P.M.				
		7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	Hour and force. 2 P.M. 9 P.M.	Hour and force. 2 P.M. 9 P.M.		
C	1	24.5	30	30.5	28.3	29.243	29.134	28.964	70	8 0	80	10	10	10	N. E. 6 N. E. 2 N. E. 6	2 p.m	R. 3 in. Snow.	
C	2	30	40.5	34.5	35	29.078	29.174	29.292	50	69	78	10	0	1	do 2 N. W. 1 N. W.	-	- 1.30	
C	3	33	33	34.5	32	29.258	29.167	29.234	-	74	55	8	10	6	N. W. S. E.	12 m	- Snow.	
C	4	26	36	30	30.6	29.271	29.292	29.244	36	64	61	0	4	10	do N. W.	do 5 11 3/4 pm	- Snow.	
C	5	27	31.5	27	28.5	28.851	29.032	29.273	87	78	59	10	10	0	N. E. 7	do 2	.70 5 inches Snow.	
C	6	24	38	31	31	29.336	29.319	29.334	21	47	34	0	2	2	N. W. 4	do 2	-	
C	7	24	38.5	32	31.5	29.446	29.406	29.373	52	61	-	9	0	2	do	do 3	-	
C	8	35	43	33	37	29.265	29.428	29.644	71	67	-	10	2	0	S. W. 2	do 3	-	
C	9	35	35	40	36.6	29.570	29.302	29.326	74	100	80	10	10	10	S. E. 3 S. E. 3	2 9/4 a.m	-	
C	10	27	37	30	31.3	29.782	29.869	29.918	33	58	75	0	0	0	N. W. 4 N. W. 3	do 2	-	
C	11	28	33	32	31	29.857	29.703	29.590	46	92	31	10	10	10	S. E. 5 N. E. 6 N. E. 7	3 p.m	-	
C	12	29	36	36	33.6	29.469	29.405	29.338	80	89	93	10	10	10	N. E. 6 do 4 S. E. 2	-	-	
C	13	37	42	34	37.6	29.206	29.169	29.200	75	52	-	6	8	0	S. W. N. W. 2 N. W.	-	-	
C	14	27	37	37	26.3	29.196	29.130	29.286	59	-	0	2	0	0	N. W. do 5	-	-	
C	15	9	14	13	20.5	29.361	29.386	29.456	46	8	54	0	0	0	do 6	do 6	-	
C	16	13	27.5	21	20.5	29.574	29.569	29.618	-	20	63	82	2	10	S. W. 2 N. W. 3	5 1/2 p.m	.31	
C	17	23	41.5	36	33.5	29.688	29.506	29.380	44	61	69	10	2	0	N. W. 2 N. W. 5	do 3	.20	
C	18	48	52	38	46	28.959	28.639	28.864	100	-	24	0	0	0	N. W. 2 N. W. 6	-	-	
C	19	34.5	37	30	33.8	29.224	29.344	29.472	78	-	56	0	1	2	N. W. 2	do 3	-	
C	20	30	52.5	44	42	29.501	29.409	29.336	43	41	51	3	2	0	S. W. S. W. S. W. 2	-	-	
C	21	43	59	44	48.6	29.166	29.076	29.068	56	41	72	0	1	2	N. W. 3 S. E. 2 S. E.	-	-	
C	22	42	54	38	44.6	29.052	28.962	29.054	63	33	71	0	2	3	N. W. 3 S. E. 2 S. E.	-	-	
C	23	33.5	49	35	39	29.050	29.010	29.042	-	63	71	1	6	0	W. 3 N. W. 6	do 4	-	
C	24	34	42	36	37.3	29.130	29.120	29.242	-	42	71	1	6	0	W. 2	do 5	.09	
C	25	34	44	37	38.3	29.369	29.302	29.302	-	31	55	0	2	3	W. 2	do 5	-	
C	26	37	50	37	41.3	29.213	28.994	28.925	61	29	100	10	3	10	N. W. 3 S. E. 2 S. E.	-	-	
C	27	41	45	34	40	28.887	28.991	29.179	54	44	-	0	4	4	W. 2	do 5	-	
C	28	33	42	32	35.6	29.298	29.334	29.322	-	32	-	3	7	10	W. 5	W. 2	-	
C	29	35	47	31	37.6	29.540	29.490	29.464	74	36	76	10	1	0	S. W. 2 N. W. 4	do 3	-	
C	30	39	57	47	47.6	29.242	29.079	29.160	70	30	55	10	1	0	N. W.	do 2	-	
C	31	40	50	48	47.3	29.323	29.279	29.264	54	46	67	0	3	6	N. W.	do 2	-	
Means,		31.4	40.9	33	35.6	29.338	29.258	29.331	48.29	50.03	49.96	4.5	3.9	3.3	Amount of Rain and Snow water,	.60 3.00=3.60 in. 8 in. Snow		

APRIL, 1853.—METEOROLOGICAL OBSERVATIONS—Continued.

THERMOMETER.	BAROMETER.					PSYCHROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.
	Corrected and reduced to 32°.					Saturated air = 100.			10 = quite covered.			Direction and force. 10 = hurricane.			Hourly Rain.			
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.		
1	37	39	37	37.6	29.177	29.222	29.317	100	52	10	0	N. E. ²	N.	N. W.	8 a.m.	-	.74	Snow and Rain.
2	34	48	35	39	29.500	29.510	29.609	45	58	0	0	N. W. ²	N. W.	do	-	-	-	-
3	35	52	38	41.6	29.561	29.442	29.442	-	41	76	0	10	10	10	-	-	-	Slight Rain.
4	32	38	37	35.6	29.167	29.044	28.831	-	100	100	10	10	10	10	-	-	-	Rain.
5	37	40	40	39	28.514	28.506	28.900	76	73	62	10	10	10	0	0	2 p.m.	1.42	R. & S. Aur. mod.
6	38	52.5	39	43.1	29.047	28.80	29.108	44	57	85	9	0	2	1	-	-	-	Showers.
7	35	48	33	38.6	29.255	29.277	29.369	-	30	-	0	2	1	3	-	-	-	Daph. mez. in blos.
8	38	56	45	46.3	29.402	29.354	29.248	50	32	57	0	6	8	0	-	-	-	Epigae repens. [ap.
9	46	63	48	52.3	29.074	29.068	29.204	72	41	48	8	8	0	1	-	-	-	Grape-hyeth. Larks
10	39	49	37	41.6	29.262	29.310	29.494	63	34	-	0	3	1	1	-	-	-	Puss Willow. Red
11	33	48.5	37	39.5	29.684	29.674	29.787	-	36	-	0	0	0	0	-	-	-	Rain. [Maple.
12	37.5	51	43	43.8	29.657	29.533	29.454	50	50	100	2	9	10	2	-	.55	-	Fog, a.m. Shower.
13	47	58	49	51.3	29.342	29.311	29.286	97	55	100	10	10	10	10	-	-	-	Fog, a.m. Elm. [Rain.
14	42	38	34	38	29.149	29.182	29.278	100	100	100	10	10	10	10	-	-	-	-
15	33.5	46	39	39.5	29.583	29.591	29.680	100	38	58	0	1	0	1	-	.63	-	-
16	34	51	41	42	29.643	29.614	29.652	-	35	62	0	9	9	9	-	-	-	-
17	33	37	38	36	29.534	29.375	29.378	100	93	93	10	10	10	10	-	.69	-	-
18	36	46	36	39.3	29.463	29.448	29.487	-	34	-	0	2	0	0	-	-	-	-
19	40	56	45	47	29.407	29.421	29.404	36	47	71	0	0	0	0	-	-	-	-
20	44	48	48	46.6	29.409	29.294	29.344	100	100	75	10	10	3	2	-	.30	-	-
21	42	61.5	48	50.5	29.457	29.458	29.501	78	40	40	3	2	0	0	-	-	-	Dandelion. [7:30 p.m.
22	44	50	49	47.3	29.432	29.250	28.956	53	64	100	2	10	10	10	-	-	-	Showers. Lightn.
23	49	52	41	47.3	29.097	29.256	29.402	54	19	59	0	0	0	0	-	.45	-	Ane. Liv. Mis. Cur.
24	37	50	43	43.3	29.530	29.478	29.462	-	62	42	0	9	10	10	-	-	-	Violet. Periwinkle.
25	40	39	35	38	29.394	29.377	29.367	59	65	93	10	10	10	10	-	.23	-	Show. Hail. Saxif.
26	37	53	47	45.6	29.400	29.416	29.482	82	46	57	6	0	0	0	-	-	-	Swall. Sanguinaria
27	50	68	50	56	29.592	29.553	29.571	58	36	61	0	0	0	0	-	-	-	Houstonia. [C. Im.
28	50	75	56	60.3	29.554	29.503	29.521	46	29	45	0	0	0	0	-	-	-	Bellwort. Cowslip.
29	52	74	58	61.3	29.489	29.363	29.356	52	31	62	0	0	0	0	-	-	-	Dog-tooth Violet.
30	51	61	51	54.3	29.526	29.526	29.536	56	20	39	0	0	0	0	-	-	-	Peach & Cherrytree
Means,	42.7	51.6	46.4	42.6	29.380	29.338	29.344	52.03	49.36	59.83	3.7	4.7	4.7	3.9	Amount of Rain and Snow water, 4.92	0 = 4.92 inches.		

MAY, 1853.—METEOROLOGICAL OBSERVATIONS—Continued.

Days of the Month Phases, Moons, Etc.	THERMOMETER.			PSYCHROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.	
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	Hour ended be gat	Hour ended be gat		
1	41.5	47	39	42.5	29.680	29.641	29.569	27	40	0	2	N.W. ²	N.W. ²	N.W. ²	-	-	Strawberry. Colum.
2	40	56	46	46.6	29.665	29.594	29.594	36	40	0	1	do	do	do	-	-	Auroral Cor. bright
3	45	55	47	49	29.667	29.600	29.494	62	45	53	10	10	9	S. E.	E.	Plum-tree. [stria.	
4	46	60.5	47	51.1	29.491	29.503	29.549	67	41	38	3	2	0	do	do	Orioles appeared.	
5	42	47	41.5	43.5	29.514	29.416	29.354	61	69	100	10	10	10	S. E.	S. E.	Fog. Rain.	
6	41	48	47	45.3	29.240	29.251	29.382	80	52	94	10	10	10	N. E. ⁶	N. E. ⁶	Rain continued.	
7	68	74	48	63.3	29.461	29.348	29.444	22	66	59	2	1	0	N.W. ²	N.W. ²	Showers.	
8	53	43	47	47	29.384	29.328	29.202	69	46	100	10	10	10	S. S.	S. E.	Apple-tree.	
9	44	66.5	52.5	54.3	29.217	29.283	29.351	69	46	52	2	2	0	N. W.	N. W.	Tulip. Shower.	
10	51	67.5	56	58.1	29.400	29.391	29.398	84	43	77	0	2	10	S. W.	S. W.	Fog. Shower.	
11	53	66	53	57.3	29.395	29.383	29.504	83	41	48	10	3	0	N. W.	N. W.	-	
12	49	66	54	56.3	29.520	29.442	29.444	48	28	67	0	6	10	S. W.	S. W.	-	
13	49.5	55	47	50.5	29.459	29.501	29.579	61	43	43	0	2	0	do	do	-	
14	52	67	55	58	29.617	29.586	29.591	33	64	61	0	1	0	do	do	.08	
15	55	73	57	61.6	29.642	29.532	29.539	59	37	68	2	2	0	do	do	-	
16	56	79	63	66	29.504	29.476	29.395	70	50	100	3	4	10	S. W.	S. W.	-	
17	57	82.5	71	70.1	29.422	29.472	29.437	64	25	49	0	2	3	N.W. ³	S. W. ¹	Flowering almond.	
18	69	50.5	47	55.5	29.473	29.491	29.463	41	92	86	6	10	10	N. E. ²	N. E. ³	Th. Storm. Clinto.	
19	46	49	46	47	29.227	29.147	29.036	94	100	86	10	10	6	N.W. ³	N.W. ⁴	Lilacs. H. Ches. Cur.	
20	47	56	48	51	29.150	29.174	29.290	57	42	78	0	2	0	N.W. ³	N.W. ²	Tart. Honey. C. flor.	
21	50	69	57	58.6	29.333	29.231	29.231	52	47	55	0	1	0	do	do	Th. Storm. L. of Val.	
22	58	76	62.5	65.5	29.229	29.223	29.288	55	61	0	2	0	do	do	Poly. Imp. Dwarf		
23	60	74	62	65.3	29.304	29.270	29.355	59	60	42	3	0	7	S. W.	S. W.	Peony. [comel.	
24	60	66	56	60.6	29.449	29.461	29.461	48	53	88	10	10	10	N. W.	N. W.	Mountain Ash. G.	
25	53	63.5	65	60.5	29.402	29.362	29.344	100	92	93	10	10	10	N. E. ²	N. E. ³	Iris. Sh. [Maculat.	
26	52	63	54	56.3	29.099	28.950	28.947	100	88	98	10	7	10	N. W.	N. W.	Showers.	
27	60	75	62	65.6	29.186	29.245	29.361	55	39	82	0	0	0	do	do	Shower.	
28	59	82	69	70	29.376	29.343	29.391	66	25	57	0	2	2	W.	S. W.	Thunder.	
29	67	84.5	74	75.1	29.401	29.399	29.415	61	43	60	0	1	0	S. W.	S. W.	Star Grass.	
30	65	74	65	68	29.428	29.358	29.356	63	34	78	0	0	10	N. W.	N. W.	Shower.	
31	49	61	54	54.6	29.554	29.646	29.662	95	45	50	10	0	0	do	do	Shower.	
	Means,	52.9	67.5	54.3	57.2	29.412	29.399	29.423	63.96	49.19	69.67	3.7	3.7	4.4	Amount of Rain and Snow water, 5.45	0	5.45 inches

JUNE, 1853.—METEOROLOGICAL OBSERVATIONS—Continued.

THERMOMETER.	BAROMETER.			PSYCHROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.	
	Corrected and reduced to 32°.			Saturated air = 100.			10 = quite covered.			Direction and force. 10 = hurricane.			Hour degree				
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	Hour inches.	Melted Snow.		
1	54	66	51	57	29.728	29.709	29.719	71	32	64	0	3	0	E.	S. E. ²	E.	
2	49	71.5	59	67.8	29.721	29.633	29.631	62	54	52	0	0	0	N. W.	N. W.	Frost.	
3	59	76	66	67	29.586	29.458	29.422	75	67	88	10	9	10	S. W.	S. W.	Frost.	
4	54	59	54	55.6	29.492	29.498	29.589	77	80	86	10	10	10	S. W.	S. W.	Th. Storm in even.	
5	57	69	57	61	29.520	29.617	29.626	67	80	84	0	0	3	N. E. ²	N. E.	Sh. Calycanthus.	
6	58	73.5	58	63	29.554	29.558	29.429	62	72	63	2	0	0	S. W.	S. W.	Scotch Rose.	
7	58.5	71	65	64.8	29.369	29.311	29.351	95	58	88	10	8	2	S. W.	S. W.	Shower.	
8	62.5	70	59	63.8	29.428	29.488	29.576	62	35	58	10	1	0	N. W.	N. W.		
9	57.5	69	55	60.5	29.714	29.721	29.723	58	53	77	0	4	0	S. E.	S. W.		
10	60	75	70	68.3	29.733	29.652	29.631	52	28	56	10	7	3	10	S. W.		
11	64	63	61	68.5	29.606	29.592	29.660	44	46	80	0	0	0	N. W.	N. E.		
12	62	69	64	64.3	29.707	29.781	29.825	61	45	75	10	7	0	S. W.	S. E. ²		
13	62	75	74	67	29.748	29.618	29.571	44	49	70	0	9	6	S. W.	S. E.		
14	70	83	74	75.6	29.571	29.557	29.610	57	39	56	1	2	0	N. W.	N. E.		
15	73	86	73	77.3	29.605	29.514	29.512	36	30	39	0	0	3	S. W.	S. W.		
16	74	89	75	79.3	29.440	29.434	29.440	52	39	37	0	0	0	do	do		
17	69	81	73	74.3	29.403	29.357	29.336	73	49	63	1	1	1	do	do		
18	72	85	73	76.6	29.343	29.332	29.356	61	34	50	2	2	0	N. W.	N. W.		
19	72	81	75	76	29.351	29.384	29.455	43	43	55	0	1	2	do	do		
20	72	87.5	81	80	29.407	29.354	29.374	55	45	41	1	3	0	N. W.	S. W.		
21	80	91	81	84	29.384	29.361	29.396	49	37	53	0	2	2	do	do		
22	72	74	65	70	29.415	29.408	29.458	59	68	35	10	2	7	N. E.	N. W.		
23	61	72	81.5	80	29.418	29.310	29.261	67	57	63	9	2	0	do	do		
24	63	71	58	64	29.404	29.415	29.521	28	22	57	0	1	5	W.	W.		
25	59	70	57	62	29.614	29.488	29.658	45	39	62	0	2	do	do			
26	59	59	56	58	29.677	29.541	29.406	39	100	84	10	1	3	N. W.	S. W.		
27	66	65	66	66	29.454	29.464	29.525	50	33	62	1	3	0	do	N. W.		
28	60	70.6	75	70	29.478	29.464	29.580	69	74	73	4	9	9	S. W.	S. W.		
29	67	75	74	75	29.476	29.407	29.375	72	51	72	10	3	10	do	do		
30	65	86															
Means,	63.8	75.7	63.3	68.7	29.523	29.491	29.493	60.26	47.46	63.33	3.8	3.9	3.0	Amount of Rain and Snow water, 1.01	0	= 1.01 inches.	

Days of
the Month
Phases.

JULY, 1853.—METEOROLOGICAL OBSERVATIONS—Continued.

1854.]

SENATE—No. 1.

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THERMOMETER.	BAROMETER.						PSYCHROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.
	Corrected and reduced to 32°.			Saturated air = 100.			10 = quite covered.			Direction and force. 10 = hurricane.			Hour ended.			Hour begun.			
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.			
1	76	81	74	77	29.378	29.354	29.371	66	56	56	0	1	0	N. W.	N. W.	N. W.			
2	66.5	77	65	69.5	29.402	29.425	29.488	59	44	44	0	2	2	S. do	S. do	S. do			
3	65	79	71	71.6	29.574	29.502	29.470	43	36	57	0	2	2	S. E.	S. W.	S. W.			
4	68	83	73	74.6	29.385	29.352	29.304	67	44	69	10	2	3	S. W.	N. W.	N. W.			
5	74	82	67	74.3	29.280	29.282	29.332	54	25	60	1	1	0	N. W.	W.	W.			
6	66	80	68	71.3	29.384	29.367	29.432	60	36	47	0	0	0	N. W.	N. W.	N. W.			
7	66	76	63	68.3	29.511	29.525	29.580	59	22	61	0	0	0	S. W.	S. W.	S. W.			
8	66	84.5	74	71.5	29.581	29.372	29.464	55	26	63	0	0	0	N. W.	N. W.	N. W.			
9	76	84	74	78	29.492	29.439	29.437	42	25	96	9	3	10	N. W.	N. W.	N. W.			
10	74	79.5	74	79	29.448	29.457	29.448	43	55	74	2	4	10	N. W.	N. W.	N. W.			
11	71	81	74	75.3	29.433	29.397	29.462	69	27	58	0	2	5	N. W.	N. W.	N. W.			
12	66	73	66	68.6	29.431	29.443	29.486	51	37	50	9	8	0	S. do	N. E.	N. E.			
13	66	78	67	70.3	29.538	29.542	29.606	66	40	47	0	2	5	do	N. W.	N. W.			
14	65	74	70	69.6	29.631	29.478	29.558	47	57	34	0	10	0	S. W.	S. W.	S. W.			
15	70	81	70	73.6	29.471	29.390	29.471	57	40	55	0	3	0	do	N. W.	N. W.			
16	68	71	64	68.8	29.268	29.353	29.218	80	94	96	10	10	3	do	S. W.	S. W.			
17	66	77	64	69	29.293	29.315	29.420	74	48	65	8	2	0	N. W.	N. W.	N. W.			
18	68	77.5	68	68.3	29.534	29.524	29.573	52	50	68	0	0	0	S. W.	S. W.	S. W.			
19	66	71	69	71	29.593	29.618	29.683	69	51	71	2	10	8	N. W.	N. W.	N. W.			
20	57	76.5	70	67	29.474	29.448	29.463	100	56	55	3	3	3	do	N. W.	N. W.			
21	64	74	70	69.3	29.458	29.400	29.445	64	50	62	3	6	9	do	S. E.	S. E.			
22	68	84	75	75.6	29.466	29.462	29.490	62	30	63	0	2	3	do	do	do			
23	66	69.5	62	65.8	29.469	29.450	29.428	72	81	81	9	10	10	S. E.	do	2 p.m.	.08		
24	67	81.5	75	74.5	29.434	29.414	29.452	61	48	64	2	2	2	do	S. W.	S. W.			
25	69	83	72	74.3	29.438	29.382	29.355	82	47	75	3	2	2	do	S. W.	S. W.			
26	71	69.5	71.3	71.3	29.306	29.295	29.508	84	81	40	10	10	10	do	S. W.	S. W.			
27	58.5	63	60	60.5	29.502	29.449	29.462	100	83	100	10	10	10	N. E.	N. E.	N. E.			
28	63	77	71	70.3	29.574	29.530	29.583	67	51	68	0	8	3	N. W.	N. W.	N. W.			
29	63	78	71	70.6	29.613	29.698	29.663	75	53	72	7	6	3	S. W.	S. W.	S. W.			
30	67	83	76	78	29.638	29.554	29.517	73	48	64	2	3	4	do	do	do			
31	74	84	74	77.3	29.478	29.442	29.370	88	66	69	9	4	4	do	3 1/4 p.m.	-	-		
Means,	67.3	84.7	70.5	73.5	29.476	29.440	29.464	65.83	47.61	63.38	3.7	3.3	3.3	5.1	Amount of Rain and Snow water,	3.29	0 = 3.29 inches.		

AUGUST, 1853.—METEOROLOGICAL OBSERVATIONS—Continued.

THERMOMETER.	BAROMETER.			PSYCHROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.		
	Corrected and reduced to $\frac{32}{30}$.			Saturated air = 100.			10 = quite covered.			Direction and force.			Hourly Rain.		
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.
1	70	82.5	79	77.1	29.525	29.494	29.468	73	55	80	6	N. W.	S.	E.	9 $\frac{1}{4}$ p.m.
2	64.5	66.5	62	64.3	29.318	29.378	29.438	100	85	85	10	S.	W.	S.	-
3	64	63	67.5	69.1	29.459	29.430	29.393	78	66	83	10	10	2	N. E.	-
4	63	64	62	63	29.254	29.176	29.226	100	100	100	10	N. E.	N. E.	N. W.	2 a.m.
5	66	78.5	70	71.5	29.301	29.352	29.430	81	57	82	8	N. W.	N. E.	N. W.	5 p.m.
6	63	66.5	63	64.1	29.516	29.658	29.540	100	79	100	10	S.	E.	N. E.	2 a.m.
7	66	67	62	65	29.566	29.548	29.548	98	92	100	10	N. E.	do	do	3 p.m.
8	61.5	76.4	70	69.3	29.551	29.515	29.525	96	60	73	10	10	S.	W.	6 $\frac{1}{2}$ p.m.
9	71	83	76	76.6	29.487	29.482	29.491	57	39	66	0	S.	W.	W.	-
10	74	84.5	78	78.8	29.520	29.523	29.559	69	57	65	0	3	N.	W.	N. W.
11	76	89	81.5	82.1	29.606	29.546	29.534	61	47	61	0	2	S.	W.	-
12	79	91	86	85.3	29.502	29.421	29.401	50	46	69	0	3	do	N. W.	-
13	80	92.5	73	81.8	29.402	29.360	29.400	54	47	89	2	5	do	N. W.	-
14	77	90	80	80	29.333	29.233	29.339	79	49	93	0	3	do	N. W.	-
15	61	72	63	65.3	29.482	29.515	29.572	100	61	85	10	2	do	N. E.	-
16	58	75	75	69.3	29.584	29.563	29.520	98	64	92	10	0	do	S. E.	-
17	62	58	62	60.6	29.462	29.433	29.441	80	100	100	10	10	S. E.	do	9 a.m.
18	60	68.5	68	65.8	29.221	29.106	29.011	100	92	92	10	10	do	do	-
19	60	68	57	61.6	29.112	29.193	29.313	61	47	62	0	0	N. W.	N. W.	-
20	61	72	62	65	29.404	29.295	29.391	67	42	67	0	2	do	do	-
21	58	75	62	65	29.402	29.368	29.401	61	41	67	0	2	do	W.	-
22	64	76	65	68.3	29.432	29.462	29.545	72	45	65	0	6	3	S. W.	N. W.
23	58	68	59	61.6	29.650	29.643	29.660	53	57	91	0	2	3	N. W.	E.
24	57	65	65	62.3	29.540	29.476	29.352	82	72	100	10	10	do	do	-
25	66	78	65	69.6	29.344	29.447	29.518	86	69	61	3	1	0	N. W.	N. E.
26	56	68	55	59.6	29.671	29.673	29.658	64	61	83	3	0	0	S. W.	S. W.
27	61	71	64	65.3	29.587	29.414	29.333	96	83	92	10	10	do	N. W.	7 p.m.
28	61	67	57	61.6	29.482	29.443	29.524	64	45	62	0	2	0	S. W.	1 a.m.
29	62	72.5	58	64.1	29.589	29.545	29.555	58	41	80	0	0	do	do	1.25
30	57	75	62	64.6	29.562	29.496	29.473	74	39	77	0	0	do	do	-
31	64	78	73	71.6	29.418	29.378	29.478	69	65	32	6	3	S. W.	do	-
Means,	64.7	71	66.9	68.6	29.474	29.434	29.472	76.83	61.70	78.22	4.1	4.7	4.7	Amount of Rain and Snow water, 10.71	0 = 10.71 in.

SEPTEMBER, 1853.—METEOROLOGICAL OBSERVATIONS—*Continued.*

OCTOBER, 1853.—METEOROLOGICAL OBSERVATIONS.—Continued.

THERMOMETER.	BAROMETER.			PSYCHROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.		
	Corrected and reduced to 32°.	Saturated air = 100.		Mean.	7 A.M.	2 P.M.	9 P.M.	7 A.M.	2 P.M.	9 P.M.	10	11	12	13	14	6.20 inches.		
●	42	60	53	51.6	29.390	29.323	29.274	71	61	100	0	10	N. W.	S. W.	8½ a m	.05	Showers.	
●	52	64	47	54.3	29.192	29.121	29.223	86	68	75	10	0	S. W.	W. 2	2½ p m	-	Showers.	
●	40	50	43	45.3	29.200	29.204	29.262	65	36	66	0	0	N. W.	W. 4	do 6	-		
●	38	58	48	48	29.448	29.379	29.364	66	46	46	2	1	W. 2	N. W. 4	-	-		
●	46	63	56	56	29.264	29.089	28.988	72	64	72	6	9	W. 2	S. W. 3	7 p m	-	Shower.	
●	53	51	40	48	29.055	29.136	29.307	65	41	19	7	8	W. 3	S. W. 5	do 7	-		
●	7	36	57	41	44.6	29.395	29.464	78	69	57	0	0	W. 4	N. W. 5	do 6	-	Ice formed.	
●	8	40	64	48	50.6	29.540	29.439	54	33	75	0	0	W. 5	N. W. 5	do 4	-		
●	9	48	63	54	55.6	29.252	29.141	81	36	74	6	2	W. 2	S. W. 3	do 2	-		
●	10	54.5	63	48	55	29.138	29.108	29.221	90	72	63	0	2	W. 3	S. W. 5	a m	.60	Showers.
●	11	40	48.5	38	42	29.370	29.425	29.500	54	42	83	0	5	W. 4	N. W. 5	-	-	
●	12	38	51	40	43	29.500	29.467	29.499	79	69	72	2	5	W. 5	N. W. 5	-	-	
●	13	41	54	47	48.3	29.440	29.392	29.464	74	57	55	2	10	W. 5	N. W. 4	-	-	
●	14	37	57	40	44.6	29.573	29.556	29.676	66	56	83	0	0	W. 5	N. W. 5	-	-	
●	15	39	60	45	48	29.677	29.657	29.667	60	45	62	0	0	W. 5	N. W. 5	-	-	
●	16	46	64	48	52.6	29.615	29.578	29.646	70	35	0	0	0	W. 5	N. W. 5	-	-	
●	17	37	66.5	50	51	29.621	29.574	29.546	79	38	65	0	0	W. 5	N. W. 5	-	-	
●	18	47	57	41	48.3	29.725	29.624	29.689	70	47	80	2	3	W. 5	N. W. 5	-	-	
●	19	48	56	52	55.3	29.680	29.644	29.658	63	26	41	0	0	W. 5	N. W. 5	-	-	
●	20	40	72.5	54	55.5	29.544	29.698	29.578	60	39	59	0	0	W. 5	N. W. 5	-	-	
●	21	46	72	55	57.3	29.628	29.503	29.404	61	59	80	6	5	W. 5	N. W. 5	-	-	
●	22	62	65	63	63.3	29.394	29.283	29.265	89	92	92	10	10	S. E. 3	S. E. 4	2 a m	-	Rain interrupted.
●	23	60	68	52	62.3	29.212	29.231	29.351	87	68	68	6	10	S. W. 2	N. E. 2	N. W. 2	-	Fog a.m.
●	24	47	42	60	49.6	29.474	29.214	29.666	77	100	100	10	10	S. W. 3	S. W. 4	8 a.m.	1.05	Rain.
●	25	37	47	36	40	28.982	29.221	29.528	61	48	67	0	6	W. 5	N. W. 7	10 p m	3.00	Rain.
●	26	33	50.5	45	42.8	29.761	29.725	29.684	-	40	65	6	10	S. E. 5	N. W. 4	11 a.m.	1.50	Rain continued.
●	27	55	56	54	55	29.498	29.444	29.456	81	86	100	10	10	N. W. 2	N. W. 4	-	-	
●	28	49	52	43	48	29.194	28.289	29.474	100	65	61	10	10	S. E. 4	N. E. 3	-	-	
●	29	32	48	37	39	29.539	29.677	29.777	-	44	71	0	2	do 4	S. E. N. E. 3	-	-	
●	30	28	43	37	36	29.847	29.760	29.750	49	56	79	0	10	N. W. 2	N. W. 3	-	-	
●	31	31	50	38	39.6	29.657	29.579	29.574	55	42	75	0	0	do	N. W. N. W.	-	-	
Means,	43.3	57.5	45.9	46.	29.449	29.411	29.466	66.25	65.96	65.64	3.2	4.5	2.6	Amount of Rain and Snow water, 6.20 0				

NOVEMBER, 1853.—METEOROLOGICAL OBSERVATIONS.—Continued.

Moons, Days of Month	THERMOMETER.				PSYCHROMETER.				CLOUDS.				WIND.				RAIN AND SNOW.				REMARKS.	
	7 A.M.	2 P.M.	9 P.M.	Mean.	7 A.M.	2 P.M.	9 P.M.	Saturated air = 100.	10 = quite covered.	7 A.M.	2 P.M.	9 P.M.	10 = hurricane.	7 A.M.	2 P.M.	9 P.M.	10 = rain.	Hour ended	Hour ended	Hour ended	Hour ended	
●	1	54.5	43	44	46.3	29.640	29.458	29.484	75	29.535	29.475	29.596	74	41	2	1	0	W.	S. W.	-	-	Rain.
●	2	38	57	44	45	47.4	29.415	29.539	29.631	87	53	65	59	73	0	0	0	S. W.	S. W.	-	-	[6 p.m. Snow—turned to R. Rain continued.
●	3	40	45	36	38.6	29.715	29.706	29.801	78	35	-	-	-	10	10	10	10	N. W.	N. W.	-	-	Rain.
●	4	35	41	34	34.3	29.919	29.809	29.752	46	47	-	0	10	10	10	10	N. W.	N. W.	-	-	Rain.	
●	5	38	43	31	37.3	29.597	29.696	29.744	100	58	-	10	0	0	0	0	N. W.	N. W.	-	-	Rain.	
●	6	26	36	25	29	29.858	29.982	30.082	43	16	57	6	6	2	0	0	N. W.	N. W.	-	-	Rain.	
●	7	22	32.5	34	29.5	30.068	29.867	29.627	49	100	100	10	10	10	10	10	S. E.	S. E.	-	-	Rain.	
●	8	9	55	40	51.6	29.231	29.019	29.127	79	80	83	10	10	10	10	10	S. W.	S. W.	-	-	Rain.	
●	10	10	32	28	31.6	29.440	29.698	29.907	-	62	72	0	10	10	10	10	N. W.	N. W.	-	-	Rain.	
●	11	11	22	40.5	39	33.8	30.081	30.071	30.081	25	30	86	10	10	10	10	S. E.	S. E.	-	-	Rain.	
●	12	12	39	58	53	50	30.025	29.904	29.776	93	39	57	10	10	10	10	N. W.	N. W.	-	-	Rain.	
●	13	13	53	60	58	57	29.521	29.155	28.936	100	100	100	10	10	10	10	N. E.	N. E.	-	-	Rain.	
●	14	14	46	51	40	46	28.888	28.956	29.129	66	39	54	0	2	0	0	N. W.	N. W.	-	-	Rain.	
●	15	15	39	52.5	40.5	44	29.225	29.362	29.552	54	43	54	0	6	8	6	N. E.	N. E.	-	-	Rain.	
●	16	16	33	41	34	36	29.766	29.910	29.339	73	59	-	100	10	10	10	N. W.	N. W.	-	-	Rain.	
●	17	17	34	41	40	38.3	29.909	29.957	29.921	-	74	100	100	10	10	N. W.	N. W.	-	-	Rain.		
●	18	18	36	41	42	39.6	29.753	29.793	29.746	100	93	66	10	0	0	0	S. W.	S. W.	-	-	Rain.	
●	19	19	48	62	53	54.3	29.692	29.651	29.560	89	67	94	6	6	6	10	N. E.	N. E.	-	-	Rain.	
●	20	20	48	62	42.5	50.8	29.562	29.501	29.572	69	100	100	10	10	10	10	N. E.	N. E.	-	-	Rain.	
●	21	21	39.5	40	38	39	29.570	29.547	29.635	100	100	95	0	4	10	10	N. W.	N. W.	-	-	Rain.	
●	22	22	40	51	49.5	48.8	29.610	29.529	29.493	77	82	79	0	4	10	10	N. W.	N. W.	-	-	Rain.	
●	23	23	49	58	51	52.6	29.451	29.417	29.401	81	67	79	0	6	2	0	N. W.	N. W.	-	-	Rain.	
●	24	24	48	35	20	34.3	29.237	29.443	29.755	65	46	16	0	0	0	0	N. W.	N. W.	-	-	Rain.	
●	25	25	13	26.5	20	19.8	29.914	29.888	29.922	-	63	-	0	0	0	0	N. W.	N. W.	-	-	Rain.	
●	26	26	36	30.5	24	26	29.863	29.653	29.816	-	34	14	3	4	2	0	N. E.	N. E.	1 p.m.	-	Snow, slight.	
●	27	27	24	28	28	25.6	30.132	30.076	30.036	84	63	75	10	10	10	10	N. E.	N. E.	10 p.m.	-	R. in.	
●	28	28	21	43	40.6	29.936	29.827	29.727	-	46	71	10	10	10	10	S. W.	S. W.	-	-	Fog a.m., dense.		
●	29	29	33	46	38	46.3	29.467	29.390	29.436	100	83	79	10	10	10	10	S. W.	S. W.	-	.12	-	
●	30	30	46	55	38	46.2	38.4	40	29.633	29.642	51.66	55.80	5.9	5.3	5.4	5.4	Amount of Rain,	Amount of Rain,	5.30	5.30	0 = 5.30 inches.	

SUMMARY OF METEOROLOGICAL OBSERVATIONS.

1852-3.			Dec.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	TOTAL.	
Mean of Thermometer at	-	7	30.5	21.7	25.	31.4	42.7	52.9	63.8	67.3	64.7	57.6	43.3	36.	Extremes of Thermometer.	
	-	2	39.5	31.2	29.3	40.9	51.6	67.5	75.7	84.7	71.	68.5	57.5	46.2	-0.5 to 92°. 5. Aug. 13.	
	-	9	33	25.7	27.7	33.	42.6	54.3	63.3	70.5	66.9	59.2	45.9	38.4	Coldest day, Feb. 15 — Warmest,	
															40.2	
Mean of Barometer at	-	7	29.479	29.399	29.427	29.338	29.380	20.412	29.523	29.476	29.474	29.478	29.449	29.633		
	-	2	29.503	29.364	29.390	29.258	29.338	29.399	29.491	29.440	29.434	29.445	29.411	29.642		
	-	9	29.412	29.424	29.362	29.331	29.344	29.423	29.493	29.464	29.472	29.507	29.466	29.622		
Mean of Psychrometer at	-	7	72.30	60.04	54.67	48.29	52.03	63.96	60.26	65.83	76.83	77.43	66.25	65.76		
	-	2	66.40	64.70	68.50	50.3	49.36	49.19	47.46	47.61	61.70	62.36	53.96	51.66		
	-	9	69.36	64.00	56.21	49.96	59.83	69.67	63.33	63.38	78.22	80.63	65.64	55.80		
Mean Cloudiness at	-	7	5.6	5.1	5.6	4.5	3.7	3.7	3.8	3.7	4.1	5.1	3.2	5.9		
	-	2	6.8	4.8	4.9	3.9	4.7	3.7	3.9	3.3	4.7	4.8	4.5	5.3		
	-	9	6.2	4.6	4.4	3.3	3.9	4.4	3.0	5.1	4.1	3.6	2.6	5.4		
Days on which the wind prevailed from N. half of the compass,	-	19	22	18	23	16	20	14	13	12	17	18	16	16	Total Days, -	
“ S.	-	9	7	8	7	11	8	13	15	16	12	11	8	12	208	
“ E.	-	6	7	6	5	4	6	7	4	5	3	2	“	“	129	
“ W.	-	24	23	21	26	24	23	27	19	24	28	22	“	“	72	
Inches of Rain,	-	4.78	1.72	6.98	6.0	4.92	5.45	1.01	3.29	10.71	5.26	6.20	5.30	5.30	Total inches, -	
“ Snow water,	-	.9	1.32	1.11	3.00	.0	.0	.0	.0	.0	.0	.0	.0	.0	54.22	
“ Snow,	-	4.	10.	11.	8.	.0	.0	.0	.0	.0	.0	.0	.0	.0	5.43	
															33. - 33.	

AMOUNT OF RAIN AND SNOW REGISTERED AT THE STATE LUNATIC HOSPITAL, FOR TWELVE YEARS.

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THE FLOWERING SEASON ON THE HOSPITAL HILL FOR FIFTEEN YEARS.